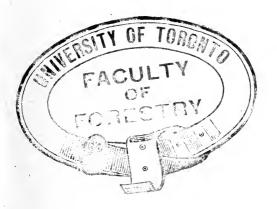
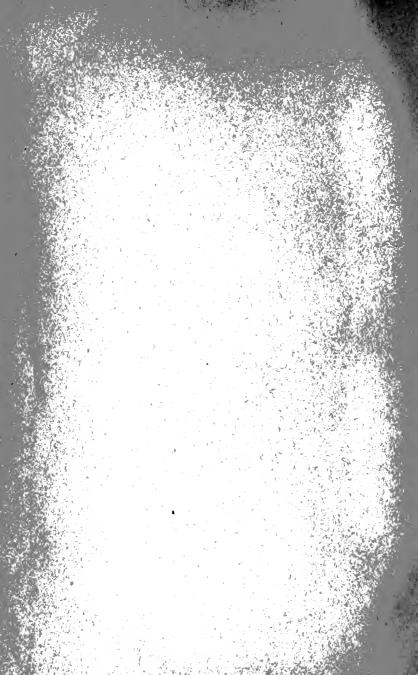




PAF June





THE

SCIENTISTS' INTERNATIONAL DIRECTORY

CONTAINING

THE NAMES, ADDRESSES, SPECIAL DEPARTMENTS OF STUDY, ETC., OF PROFESSIONAL AND AMATEUR NATURALISTS, CHEMISTS, PHYSICISTS, ASTRONOMERS, ETC., ETC.

COMPILED BY

SAMUEL E. CASSINO

1894

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In this edition of the Directory, all names which have been heard from since the last issue are followed by an (*). In the American portion of the Directory, names which are followed by an (?) have not replied to the blanks sent them for at least two years, and all such will be dropped from the next edition of the work, unless heard from in the meantime. Names which are not followed by an (*) or an (?) are, without doubt, correct, but have failed to reply to the last blanks sent to their address.

For convenience, an index has been placed in the front of the book, and the list of abbreviations will be found immediately following.

Thanks are due to many persons who have assisted us in the compilation of this volume.

Dr. Henrik Saute, Jr., Stockholm, of the Geological Survey of Sweden, has entirely revised the list of Sweden scientists and the credit for its accuracy is due to him.

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All changes of address should be reported to the editor, Boston, Mass., for future editions.

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ABBREVIATIONS.

Acad., Academy. Agric., Agriculture. Ala., Alabama. Am., American. Anat., Anatomy. Analyt., Analytical. Anth., Anthropology. Antiq., Antiquities. Arach., Arachinda. Arch., Archæology. Ariz., Arizona. Ark., Arkansas. Ast., Astronomy. Asst., Assistant. Biol., Biology. Bot., Botany. Bryol., Bryology. C., Collection. Calif., California. Carab., Carabidæ. Carb., Carboniferous. Ceramb., Cerambycidæ. Chem., Chemistry. Cicind., Cicindelidæ. Cin., Cincinnati. Colo., Colorado. Coleopt., Coleoptera. Coll., College. Comp., Comparative. Con., Conchology. Conn., Connecticut. Crypt., Cryptogamic. Crystall., Crystallography. Cur., Curator. Cust., Custodian. Dak., Dakota. D. C., District of Columbia. Del., Delaware. Dept., Department. Devon., Devonian. Dipt., Diptera. Dir., Director.

Dist., Distribution. E. E., Electrical Engineer. Econ., Economic. Elect., Electricity. Emb., Embryology. Ent., Entomology. Esp., Especially. Eth., Ethnology. Ethnog., Ethnography. Ex., Exchange. Fla., Florida. Ga, Georgia. Gen., General. Geog., Geographical. Geol., Geology. Held., Helderberg. Hemipt., Hemiptera. Herpetol., Herpetology. Histol., Histology. Hist., History. Hort., Horticulture. Hymenopt., Hymenoptera. Ia., Iowa. Ichth., Ichthyology. Ill., Illinois. Ind., Indiana. Invert., Invertebrates. Inorg., Inorganic. Inst., Institute. Kan., Kansas. Ky., Kentucky. L., Lower. La., Louisiana. L. & F. W., L. and Fresh Water. Lepid., Lepidoptera. Lithol., Lithology. M., Marine. Mam., Mammalogy. Mass., Massachusetts. Math., Mathematics. Md., Maryland. Me., Maine.

M. E., Mining Engineer. Med., Medical. Meteo., Meteorology. Metall., Metallurgy. Mic., Microscopy. Mich., Michigan. Min., Mineralogy. Minn., Minnesota. Miss., Mississippi. Mo., Missouri. Moll., Molluscs. Mont., Montana. Mus., Museum. Nat. Hist., Natural History. N. C., North Carolina. Neb., Nebraska. Neuropt., Neuroptera. Nev. Nevada.
N. H., New Hampshire.
Niag., Niagara.
N. J., New Jersey.
N. M., New Mexico.
N. Y., New York. O., Ohio. Obs., Observatory. Ool., Oology. Ophthal., Ophthalmology. Ore., Oregon. Org., Organic. Orn., Ornithology. Orthopt., Orthoptera. Osteol., Osteology. Palæo., Palæontology. Pathol., Pathological. Penn., Pennsylvania. Phæn., Phænogamic.

Philol., Philology. Phil., Philosophy. Photog., Photography. Phys., Physics. Piscol., Piscology. Pres., President.
Prof., Professor.
R. I., Rhode Island.
S. C., South Carolina. S. D., South Dakota. Sec., Secretary. Sci., Science. Sil., Silurian. So., Southern. Soc., Society. Spec., Species. Spec., Specimens or specialty. Strat., Stratigraphical. Surv., Survey. Syst., Systematic.
Tax., Taxidermy.
Tech., Technical, Technology.
Tenn., Tennessee.
Tex., Texas. U., Upper. Univ., University. Va., Virginia. Vasc., Vascular. Veg., Vegetable. Vert., Vertebrates. Vt., Vermont. Wis., Wisconsin.
W. T., Wyoming Territory.
W. Va., West Virginia.
Wash., Washington.

Zool., Zoology.

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Beckwith, Edwin F., M.D., Surgeon, State Home of Cor-426rection and Ref., Ionia. Mich. Mic., Histol. C.?

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Berlin, A. F., Editor of "The Archaeologist," Allentown, 483Pa. Arch. C.*

484 Berliner, E., Columbia Road, betw. 14th and 15th Sts., Washington, D.C. Phys.*

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- 509 Bigelow, Robert Payne, 1501 18th St., N.W. Washington,
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 Biggs, Hermann M., M.D., 5 West 58th St., New York, 510 N.Y. Bacteriol., Palæo.
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Blake, Chas. A., 522 Cooper St., Camden, N.J. Ent: Lepid. 548

Blake, Clarence J., M.D. Prof. Otology, Harvard Med. 549 Sch., 226 Marlborough St., Boston, Mass. Acoustics, Otology.

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Blashford, Wm. H., 380 Ontario St., Toronto, Ont., Can. 561 Bot.*

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Blauvelt, Wm. Huton, E.M., Anaconda Mining Co., Anaconda, Mont. Min., Inorg. Chem., Metall.* 567

Bleile. A. M., Prof. Physiol. Ohio State Univ., Columbus, 568 O. Gen. Biol., Histol.

Bliss, H. D., M.D., 23 Halsey St., Brooklyn, N.Y. 569 scopic Pathol *

Bliss, H. H., 715 H St., Washington, D.C., Member Anth. 570Society of Washington.

571 Bliss, Richard, Redwood Library, Newport, R.I. Cartog., Bibliog.*

Bliven, George F., M.D., Box 1576, Providence, R.I. Pho-572tog., Ast. C. Ex. Blochman, Lucien A., San Diego, Calif. Min., Elect.

573 Blodgett, Frederick H., 1237 Mass. Ave., N.W., Washing-574

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Bot., Nat. Hist., Floriculture.

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620Bostwick, Arthur E., Ph.D., 182 Mountain Ave., Montclair,

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- tions. C. 1871 Folsom. Wyman X., Taylor's Falls, Minn. Geol., Min.*
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- 1912 Fox. Wm. H., M.D., 1826 Jefferson Place, Washington, D.C. Orn., Arach. C.*
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 1928 Frear, Wm., Ph.D., Prof. of Agric. Chem., Vice Director and Chemist, Agric. Experiment Station; Chemist to Pa. State Board of Agriculture; Editor of "Agric. Sci.," State College, Centre Co., Pa. Chem., Bibliog. C.*

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- 1946 Frisby, Prof. Edgar, U.S. Naval Observ., Washington, D.C.*
- 1947 Fritts, Chas. E., Electrician, 42 Nassau St., New York City. Elect., Phys., Chem., Photog., Metall.
- 1948 Froehling, Dr. Henry, Analyt. Chem., 17 S.12th St., Richmond, Va., and Warners, Onondaga Co., N.Y. Mic., Chem., Min. C.
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- 1956a Fuller, Arthur A., M.E., Columbia, Mo. Physics, Elect., Ast.?
- 1957 Fuller, A. S., Ridgewood, N.J. Coleopt. C. Ex.* Floriculture, Phan. Bot.,
- 1958 Fuller, Mrs. C. E., Needham, Mass. Bot., Ent., Orn.*
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- 1963 Fuller, G. W., Mass. State Board of Health, Lawrence Expr. Station, Lawrence, Mass. Bacteriol., Chem.*
- 1964 Fuller, Homer T., Pres. and Prof. of Geol., Worcester Polytechnic School, 18 Boynton St., Worcester, Mass. Geol., Min., Metall. C. Ex.*
- 1965 Fuller, J. E., P. O. Box 481, Mansfield, Mass. Ethnol., Orn., Ool., Tax., Lepid. C. Ex. Postage Stamps for eggs or minerals.
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- 1968 Fulmer, Elton, M. A., P.O. Box 372, Lincoln, Nebraska. Min., Crystall., Lithol., Inorg. Chem., Metall. C. Ex.*

- 1969 Fultz, F. M., Burlington, Iowa. Palao., Invert., Orn. Ex.*
- 1970 Furness, H. B., 20 Locust St., Walnut Hills, Cincinnati, Ohio. Chem., Min., Metall., Phys.
- 1971 Fyles, Rev. T. W., South Quebec, Canada. Ent., Lepid.?
- 1972 Gabriel, R., Milford Centre, Ohio. Lenses and Astronomical Objectives. Desires books and papers on Optics, Ast. and Mic.*
- 1973 Gaffield, Thomas, 54 Allen St., Boston, Mass. Chem., Phys., Glass making.*
- 1974 Gage, Simon H., B.S., Associate Prof. of Phys., Cornell Univ., Ithaca, N.Y. Morphol. and Physiol. of Vert.*
- 1975 Gage, Susanna, S.P., Ph.B., Ithaca, N.Y. Morphol., Physiol.*
- 1976 Gaines, J. T., 722 E. Broadway, Louisville, Ky. Paleo. C. Ex.
- 1977 Gaines, Marshall R., Prin. Whitin Hall School, Santa Fe,
- New Mexico. Min., Geol., Crystall., Am. Arch. Ex. 1978 Gaines, Richard H., Chemist, Virginia Dept. of Agric., Richmond, Va. Analyt. Chem.*
- 1979 Galen, James, Bethesda, Lancaster Co., Pa. Bot., Geol., Min., Orn., Ool., Emb., Arch., Con., Philately, Numis. Collects seeds, plants, etc. for Nurserymen and others. C. Ex.*
- 1980 Gallagher, William C., Ross, Lake Co., Ind. Ent. C.* 1981 Gallaher, Frank M., Santa Barbara, Calif. Bot., Hort., Geol., Meteo.*
- 1982 Galloway, B. T., U.S. Dept. of Agric., Washington, D.C., Chief of the Division of Veg. Pathol. Mycol.*
- 1983 Gane, Henry S., Johns Hopkins Univ., Baltimore, Md. Palœo., Min. C. Ex. Will ex. Tertiary Fossils for old Geolog. Reports.*
- 1984 Gannaway, Chas. B., Chemist and Mineralogist, 520 Garrison Ave., Fort Smith, Arkansas. Min., Crystall., Lithol., Chem., Metall., Mic., Photog. C. Min.*
- 1985 Gannett, Henry, S.B., A. Met. B., U.S. Geol. Survey, Washington, D.C. Geography.?
- 1986 Ganong, Wm. F., Harvard Univ., Cambridge, Mass. Bot..Phæn. Plants, Gen. Biol., Geog. Dist., Morphol.*
- 1987 Garderga, J. T. M., M.D., A.M., Claymont P. O., Del. C. Ex.
- 1988 Gardiner, F., Jr., A.B., Sioux Falls, Dakota. Ent., Ichth., Emb.
- 1999 Gardiner, James T., Mining Engineer, 21 Elk St., Albany, N.Y.*
- 1990 Gardiner, Prof. John, B.Sc. (London), Boulder, Colo. Prof. Biol., State Univ. of Colo. Zool., Emb., Invert. Histol. C.*
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Ool., Ent. C. Ex.

1997 Gardner, Robert W., 210 E. 16th St., New York, N.Y. Bot: Phæn. Plants.

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Herpetol., Ichth.

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Elect., Anat. 2009 Graver, M. M., Asst. Prof., Pa. State Coll., Dept. of Phys. and Elect. Engineering, State College, Centre Co., Pa.

Magnetism, Taxation.* 2010 Gascoyne, Dr. Wm. J., Analyt. and Consulting Chemist, 36 S. Holliday St.. Baltimore, Md. Geol., Min., Chem., Metall.,

Mic., Photog. C. Ex.*

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Plants, Phys. Geol., Anth.*

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6163 Yznaga, Jose M., Washington, D. C. Mic., Photog. 6164 Zabriskie, Rev. J. L., Waverley Ave., Flatbush, L. I., N. Y. Hymenopt., Fungi. Mic., preparations of woods of N. A., and of Fungi for sale. C. Ex.* 6165 Zahn, Otta J., 427 Hope S., Los Angeles, Calif. Ool. C.*

6166 Zell, Mrs. Lydia Diller, Librarian Linnæn Society, Lancaster, Pa. Phæn. and. Crypt. Bot.*
6167 Zeller, M., State Univ., Crawfordsville, Ind. Crinoids. C.

6168 Zellweger, John, care Gundlach Optical Co., Rochester, N. Y. Mic.*

- 6169 Zetlitz, Arne, M.D., Toledo, Lucas Co., Ohio. Zool., Mam-
- mals, Mic., Emb., Hist. C. Ex.* 6170 Ziegler, A., M.D., 101 Middle St., Alleghany, Pa. Phan. Plants, Min. C. Ex.?
- 6171 Zimmerman, Rev. Jeremiah, A.M., Syracuse, N. Y. Bibliog., Arch., Numismatics of the Ancients.*
 6172 Zimmerman, Wm., 164 Dearborn St., Chicago, Ill. Phys.,
- Elect., Gen. Biol.*
- 6173 Zuber, Jere. W., Dengler's, Berks Co., Pa. Geol., Min. C.? 6174 Zuber, Wm. H., A.M., Prof. of Nat. Sciences, Greensburg Seminary, Greensburg, Westmoreland Co., Pa. Bot, Phan. and Crypt. Plants, Ferns, Mosses, Fungi, Lichens: Algæ; Palæo., Geol., Min., Crystall., Chem., Phys., Elect., Mic., Photog., Ast. C. Ex.*

SCIENTIFIC SOCIETIES OF THE UNITED STATES

AND CANADA.

CALIFORNIA.

- California Academy of Sciences, San Francisco. H. W. Harkness, M.D., Pres.; T. S. Brandegee, Cor. Sec. Publishes "Proceedings and Memoirs." Has collection, Museum and Library.*
- California Botanical Club, San Francisco. Prof. W. R. Dudley, Pres.; Frank H. Vaslit, Sec.*
- California State Geological Society, San Francisco. Incorporated, Dec. 30, 1776. Henry G. Hanks, Pres.; S. Heydenfeldt, Jr., Sec. Annual meeting, first monday in December.?
- California Zoological Club, San Francisco. Dr. J. G. Cooper, Pres.; E. A. McIllriach, Sec.*
- Chamisso Botanical Club, Berkeley, Calif. Edw. L. Greene, Chairman; W. C. Blasdale, Sec'y; Victor K. Chestnut, Curator. Special study of the flora within 20 miles of San Francisco. Preparation of list. Local Herbarium.*
- San Diego Society of Nat. Hist. Organized Nov. 2, 1874. Rev. B. F. McDaniel, Pres.; Dr. H. W. Gould, Cor. Sec. Library and Collection.
- San Francisco Microscopical Society, Rooms 432 Montgomery St., Address Box 2244. E. J. Wickson, Pres.; A. H. Breckenfeld, Cor. Sec. Cabinet and Library.
- Santa Barbara Society of Natural History. Organized, Nov. 25, 1876. H. C. Ford, Pres.; Lorenzo G. Yates, Cor. Sec. Museum and Library. Publishes Bulletin.*
- The Astronomical Society of the Pacific, 408 California St., San Francisco, Calif. Membership of 280. Pres., Dr. E. S. Holden; Secretaries, Charles Burckhalter, Chabot Obs., Oakland, and J. M. Schaeberle, Lick Obs., Mt. Hamilton. Correspondence should be addressed to either of the Secretaries.
- The Southern California Science Association. Pres., M. H. Alter, M.Sc., A.M., M.D.; Sec., Mrs. Mary E. Hart, 803 S. Hill St. Los Angeles.*

CANADA.

Botanical Sub-section of the Biological section of the Canadian Inst., Toronto, Ont., Canada. Sam'l Hollingworth, Chairman; Chas. W. Armstrong, Sec'y. Correspondence and ex.

Canadian Institute, Toronto. R. Ramsay Wright, M.A., B.Sc., Pres.; Alan Macdougall, M. Inst. C.E., Sec. Library and Publical Property of the Pr

lishes Proceedings. C. Ex.*

Entomological Society of Ontario, London, Ont. W. H. Harrington, Ottawa, Ont., Pres.; J. A. Balkwill, London, Ont., Treas.; J. A. Moffat, London, Ont., Cur. and Lib. Publishes "The Canadian Entomologist," a monthly and an annual Report on Noxious and Beneficial Insects (to the Legislature). Sections for the study of Geol., Bot., Mic., Orn., Ool.* Hamilton Association, Hamilton, Ontario. Established 1857. Lit-

erary and Scientific. Museum. Library. Publishes Transactions. Exchange. A. Alexander, F.S.Sc., Pres.; W. McG. Logan, B. A., Cor. Sec.; C. R. McCullough, Gen. Sec.*

Montreal Microscopical Society, Org., 1868. Chas. T. Williams, 785

Craig St., Hon. Sec., Meetings monthly.*

Natural History Society, Montreal. Dr. T. Wesley Mills, Pres.; A. F. Winn, Cur. Publishes "Canadian Record of Science."*

Natural History Society of Toronto, (being also the Biological Section of the Canadian Inst.,) John Maughan, Pres.; J. B. Williams, Rec. Sec.; S. Hollingsworth, Cor. Sec. Collections.*
Nova Scotian Institute of Science, Halifax. M. Murphy, C.E., D.

Sc., Pres.; A. H. MacKay, B.A., B.Sc., LL.D., F.R.S.C., Cor. Sec.*

Ottawa Field Naturalists' Club, Ottawa. Organized, March, 1879.

Dr. Geo. M. Dawson, Pres.; Dr. H. M. Ami, Sec.*

Ottawa Literary and Scientific Society, Ottawa. Organized, 1869, W. D. Le Sueur. B.A., Pres.; F. K. Bennetts, Sec.*

The Royal Society of Canada, Pres., Dr. G. Bourinot, LL.D., Ottawa, Ont., Can.*

CONNECTICUT.

Bristol Historical and Scientific Society, Bristol, Conn. Edw. E.

Newell, Pres.; Edw. L. Dunbar, Sec'y and Treas.

Connecticut Academy of Arts and Sciences, New Haven. Incorporated, 1799. William H. Brewer, Pres.; Addison Van Name, Cor. Sec. and Librarian. Publishes "Transactions."*

Meriden Scientific Association, Rev. John Tyler Pettee, A.M., *Pres.; Dr. Chas. H. S. Davis, M.D., Ph.D., Sec.*

Middletown Scientific Association, Organized, March 17, 1871. Prof. W. O. Atwater, Ph.D., Pres.; Prof. M. B. Crawford, Cor.

New Britian Scientific Association. James Shepard, Pres.; M. S. Wiard, Sec.*

DELAWARE.

The Society of Natural History of Delaware. Collection and Meeting room, Friends School Building, 4th and West Sts., Wilmington. Wm. M. Canby, Pres.; Walter D. Bush, Vice

Pres.; Mrs. G. Y. Pyle, Sec.; Jno. T. Pennypacker, Treas. Meetings of Soc. held 1st Monday in each month.*

DISTRICT OF COLUMBIA.

American Microscopical Society. Pres., Prof. M. D. Ewell, Chicago; V. Pres., Dr. Robert Reyburn, Washington; Sec., Dr. W. H. Seaman, Washington; Treas., C. C. Mellor, Pittsburg, Pa. Ex. Com., Dr. J. A. Miller, Buffalo, Prof. E. W. Claypole, of Akron, O., and Dr. J. M. Lamb, Washington. Publishes "Proceedings."*

American Ornithologists' Union. Incorporated, 1888. Elliot Coues, Washington, D. C., Pres.; Jno. H. Sage, Portland, Conn., Sec. Publishes "The Auk."*

Anthropological Society of Washington. Dr. Otis T. Mason, Pres.; Prof. Frank H. Cushing and Weston Flint, Secretaries.*

Biological Society of Washington. C. V. Riley, Pres.; F. A. Lucas, F. V. Coville, Secretaries.*

Chemical Society of Washington. Pres., R. B. Warder; Sec. A.

C. Peale.?

Microscopical Society of Washington. W. W. Alleger, Cor. Sec.* National Academy of Sciences, Washington. Prof. O. C. Marsh, Pres.; F. A. Walker, Vice-Pres.; Prof. Asaph Hall, Naval Observatory, Washington, D. C., Home Sec.; Wolcott Gibbs, Newport, R. I., Foreign Sec.; Dr. J. S. Billings, Treas., Washington, D. C.*

Philosophical Society of Washington. Organized, March 13, 1871. G. Brown Goode, Pres.; W. C. Winlock and J. S. Diller, Secretaries. Publishes "Bulletins." Eleven Volumes have been

published.*

Smithsonian Institution. Organized, 1846. S. P. Langley, Sec.; G. B. Goode, Ass't Sec.; W. C. Winlock, Asst. in charge of Office. Museum, Library and Gallery of Art. The publications comprise "Contributions to knowledge." "Miscellaneous Collections," "Annual Reports."*

THE NATIONAL MUSEUM.

(Under the direction of the Smithsonian Institution.) Director.—S. P. Langley, Metropolitan Club.

Assistant Secretary in Charge. -G. Brown Goode, Cosmos Club;

Assistant Secretary in Charge.—G. Brown Goode, Cosmos Cito, house, Lanier Heights.

Curators.—F. W. True, W. O. Atwater, Frank Baker, Tarleton H. Bean, C. E. Bendire, A. H. Clark, F. W. Clark, J. W. Collins, F. V. Coville, W. H. Dall, R. E. Earll, B. E. Fernow, Paul Haupt, W. H. Holmes, S. R. Koehler, O. C. Marsh, O. T. Mason, G. P. Merrill, Richard Rathbun, Robert Ridgway, C. V. Riley, R. E. C. Stearns, L. Stejneger, C. D. Wolcott, L. F. Ward, J. E. Watkins, Charles A. White, C. H. White, Thomas Wilson, W. C. Window. son, W. C. Winlock.

Chief Clerk.—W. V. Cox, Brightwood.*

ILLINOIS.

- Chicago Academy of Sciences, Organized, 1857; incorporated, 1859. S. H. Peabody, LL.D., Pres.; W. K. Higley, Ph.D., Sec. Museum and Library.*
- Geol. Survey of Illinois, Springfield, Ill. Dr. Josua Lindahl, State Geologist; F. W. Nicholson, Asst. Organized, 1851. Published Reports and Bulletins.

Illinois State Fish Commission, Quincy, Ill. N. K. Fairbanks. Pres.; L. P. Bartlett, Sec. Publishes Biennial Reports.

Illinois State Horticultural Society, Warsaw, Ill. Jabez Webster, Pres.; A. C. Hammond, Sec. Organized in 1856. Publishes "Transactions."

Illinois State Laboratory of Natural History, Champaign. Forbes, Director.*

Illinois State Museum of Natural History, Springfield, Ill. F. E. Gurley, Curator; G. Walter Murray, Sec. Nat. Hist., Geol., Arch.*

Peoria Scientific Association, Museum and Lecture Room in Court House. Dr. J. T. Stewart, Pres.; Dr. O. B. Will, Cor. Sec.; Mrs. Alice A. Barnhart, Cur. and Lib.*

Princeton Acad. of Sci., Princeton. Hon. Simeon Elliott. Pres.: Jacob Miller, Cor. Sec.

Ridgeway Ornithological Club of Chicago. Organized, Sept. 6, 1883; incorporated May, 1884, Geo. Frean Morcom, Pres.; Ruthven Deane, V. P.; H. K. Coale, Sec. and Treas.; Geo. L. Toppan, Curator and Librarian.?

Rockford Scientific Society. Organized, June 12, 1877; active members, 40. M. S. Bebb, Pres.; J. B. Upson, Sec.*

INDIANA.

Brookville Society of Nat. Hist. Incorporated, February, 1882. R. M. King, Sec. Museum and Library. Desires to ex. many duplicate specimens, and asks donations of specimens and publications.

Indiana Academy of Science. Organized, 1885. J. C. Arthur, Pres.: Amos. W. Butler, Sec. Office, Brookville, Ind.*

Terre Haute Science Club, Terre Haute, Ind. Meets third Thursday evening of each month.*

IOWA.

Davenport Academy of Natural Sciences, Davenport. Organized, Dec. 14, 1867. Dr. W. L. Allen, Pres.; Prof. W. H. Barris, Cor. Sec. Library and Museum. Publishes "Proceedings."*

Iowa State Ornithological Society. J. H. Harvey, Pres.; S. S.

Bonbright, Des Moines, Sec.?

Society of Natural History, Knoxville. Instituted 1892; Incorporated 1893, John W. Wright, Pres.; T. S. Hill, Treas.; F. M. Kinne, Sec. Museum and Library. Desires to Ex. many duplicate specimens and asks donations of specimens and publications.*

KANSAS.

Gray-Wood Botany Club. B. B. Smyth, Topeka, Pres.; J. W.

Stailey, Lawrence, Kan., Sec.*

Kansas Academy of Science, Headquarters, Topeka. Founded, Sept. 1, 1863. Incorporated, 1873. E. H. S. Bailey, Ph.D., Lawrence, Pres.; A. M. Collette, Emporia, Sec'y. Cabinet, Museum and Library. Publishes "Transactions."*

Kansas City Academy of Science, Kansas City. Founded, Dec. 2, 1875. E. Butts, Pres.; R. B. Trouslot, Sec. Cabinet and Library. Publishes "Kansas City Scientist."

Scientific Club of the Kansas State Agric. College, Manhattan.* , Wyandotte Society of Nat. Hist. W. H. Plank, Pres.; Kansas City, Kansas.

KENTUCKY.

Ohio Falls Geological Society, Centre and Walnut Streets, Louis ville. Wm. J. Davis, Pres.; J. T. Gaines, Sec. Will exchange Silurian and Devonian fossils for those of other periods.*

Polytechnic Society of Kentucky, Louisville. Instituted, December, 1876. Bennett H. Young, Pres.; A. V. Pollard, Librarian. James Lewis Howe, Ph.D., M.D., Chemist and Scientist. Library, Museum, Art Gallery, Laboratory, etc. Desires to exchange.*

MAINE.

Portland Society of Nat. History. Incorporated, 1850. Wm. Wood, M.D., Pres.; Prentice C. Manning, Cor. Sec. Cabinet.*

MARYLAND.

Maryland Academy of Sciences, Baltimore. Organized, 1822. Philip R. Uhler, Pres. (1888).?

MASSACHUSETTS.

American Academy of Arts and Sciences, Boston. Organized, 1780. Josiah Parsons Cooke, Pres.; Augustus Lowell, Vice-Pres.; Charles Loring Jackson, Cor. Sec.; Wm. Watson, Rec. Sec.; Elliot Channing Clarke, Treas.; Henry Williamson Haynes, Libr. Publishes "Proceedings" and "Memoirs."*

American Association for the Advancement of Science. Organized, 1840; incorporated, Mar. 19, 1874. F. W. Putnam, Salem, Mass.

Perm. Sec.*

Amesbury and Salisbury Natural History Society. Organized, 1873. H. S. Leslie, Pres.; Chas Nayson, Cor. Sec.?

Appalachian Mountain Club. Organized, 1876; incorporated, Apr. 1, 1878. Chas. E. Fay, Pres., Tufts College, Mass; F. W. Free-

born, Cor. Sec., Boston, Mass.*

Arnold Arboretum (Harvard Univ). Chas. S. Sargent, Director; Charles E. Faxon, Ass't in charge of Herbarium, Jamaica Plain, Mass.*

Boston Society of Natural History. Incorporated, 1831. W. H. Niles, Pres.; Samuel Henshaw, Sec. Annual Meeting, first Wednesday of 'May. Library and Collection. Publishes "Proceedings," "Memoirs," and "Occasional Papers."*

Boston Scientific Society, 419 Washington St. Organized, May, 1876. Dr. Frank Perrin, Pres.; Wm. D. Spier, Rec. Sec. "Sci-

ence Observer" published by this Society.*

Brewster Ornithological Club, Worcester, Mass. Miss H. A. Ball,

Orn.*

Cambridge Entomological Club. Established, Jan. 9, 1874; incorporated, March 9, 1877. W. H. Ashmead, Pres.; Roland Hayward, Sec. "Psyche," published by this Society, is issued monthly, at \$2 per annum, \$5 per vol. of 3 years.*

Cape Ann Scientific and Literary Assoc., Gloucester. Organized,

1875. Thomas Conant, Pres.*

Essex Institute, Salem. Incorporated, 1848. Rev. E. B. Wilson, Pres.; Henry M. Brooks, Sec. Library contains 60,000 volumes. Publishes "Historical Collections" and "Bulletin." Objects, diffusion of knowledge in History, Nat. Hist., Horticulture and Arts.*

Harvard Natural History Society. Founded 1837. Cambridge, Mass. A. W. Weysse, Pres.; F. B. White, Cor. Sec. The Society especially desires to obtain floral, faunal and mineralogi-

cal lists for New England.*

Lyceum Nat. Hist., Williams College, Williamstown. Founded.

1835. S. F. Clarke, Pres. Collection.*

Massachusetts Horticultural Society, Boston. Organized 1829. Nathaniel T. Kidder, Pres.; Robert Manning, Sec. and Lib.; Charles E. Richardson, Treas. and Supt. of building. The Library contains 6,700 books and 7,200 pamphlets on Botany, Horticulture, Agriculture, etc., and is the best Horticultural Library in the U. S.*

Middlesex Institute, Malden. Organized, 1878. L. L. Dame, Med-

ford, Pres.; F. S. Collins, Malden, Sec.*

Museum of Comparative Zoology, Cambridge. Alex. Agassiz, Director. Publishes "Bulletin" and "Memoirs."*

Nat. Hist. Society of Newton. Chartered, 1873. Charles J. Maynard, Pres.; A. R. Bailey, Sec.*

Nuttall Ornithological Club, Cambridge. Organized 1873. Wm.

Brewster, Pres.; F. B. White, Sec.*
Peabody Academy of Science, Salem. Founded, 1867, by George Peabody, of London, and contains Ethnological Coll. East India Marine Soc. (1799), Nat. Hist. Coll. Essex Inst. (1834) as permanent deposits, and large accessions made since 1867 by the trustees. Pubs. Memoirs (2 vols.) Annual reports (19 in 9 numbers). Classes and lectures in botany, zoology, mineralogy, etc. Wm. C. Endicott, Pres.; Edw. S. Morse, Dir.; John Robinson, Treas., in charge of Museum. Special collections, Ethnology in general, and Zool., Bot., Min., Geol. and Arch. of Essex County, Mass. Museum ranks among the most valuable in the country.*

Peabody Mus. of Am. Archæology and Ethnology, department of Harvard Univ., Cambridge. Founded, 1866. F. W. Putnam, Peabody Prof. of Am. Arch. and Eth., Curator.*

Ridgway Ornithological Club, H. B. Long, Sec. and Treas., 14 Anna St., Worcester, Mass. Geog. Dist., Orn., Ool., Emb., Tax.

and Osteol. as applied to Birds.*
Worcester Natural History Society. Organized, Dec., 1852; incorporated, April 16, 1853. Dr. Merrick Bemis, Pres.; Dr. S. B. Woodward, Treas.; H. D. Braman, Sec. Museum.*

MICHIGAN.

Adrian Scientific Society, Adrian. Incorporated, 1881. Chas. Raynor, Pres.; H. A. Lee, Vice-Pres.; Jacob Breedon, Treas.; Fred'k B. Stebbins, Sec.*

Detroit Scientific Association. Incorporated, March 21, 1865. E. C.

Skinner, Pres.; Bryant Walker, Sec. Museum.*

Michigan Teachers Soc'y of Microscopists. C. D. McLouth, Ypsilanti, Pres.; Geo. O. Voorhies, Ypsilanti, Sec.*

The Griffith Club of Microscopy, Detroit. W. H. Brearley, Pres.; B. W. Chase, M.D., Sec.?

MINNESOTA.

Minnesota Academy of Natural Sciences, Minneapolis. Organized, Jan. 4, 1873. Prof. H. L. Osborn, Pres.; C. S. Fellows, Cor. Sec. Location, Third floor of the Minn. Pub. Library B'l'd'g. Museum open daily. Publishes "Bulletin."*

Minnesota Historical Society of St. Paul.*

St. Paul Academy of Science. E. C. Mitchell, Pres.; L. B. Wilson, Cor. Sec.; C. B. Scott, Curator.*

MISSOURI.

Academy of Science, St. Louis. Organized, 1857. Prof. H. S. Pritchett, Pres.; W. T. Porter, M.D., Cor. Sec. Publishes "Transactions" and "Proceedings." Has Room, Library and Museum in Wash. Univ. buildings.* NEBRASKA:

Nebraska Academy of Sciences, Lincoln. Founded, Jan. 1, 1891.

Pres, J. S. Kingsley, Sc.D.; Sec., W. E. Taylor. Publishes "Transactions."?

NEW HAMPSHIRE.

Exeter Natural History Society. Organized, Dec. 7, 1874; incorporated, June, 1876. Albion Burbank, Sec. Museum and Library.*

Keene Natural History Society. G. A. Wheelock, Pres.; Charles E. Burnap, Curator.*

NEW JERSEY.

Newark Entomological Society, Turn Hall, William St. Meetings on the second Sunday of each month. C. P. Machesney, Pres.; J. B. Angelman, Vice-Pres.; E. A. Bischoff, Sec.; George Stortz, Treas.; Julius Bunsow, Lib. Ent., Hymenopt., Lepid., Dipt., Coleopt., Hemipt., Orthopt., Neuropt., Arach.*

New Jersey State Microscopical Society. Instituted, April 17, 1871; incorporated, Feb. 16, 1880. Rev. Samuel Lockwood, Freehold, N. J., Pres.; Prof. Julius Nelson, New Brunswick, N. J., Sec. Meets monthly in Geological Hall, Rutgers College, New Brunswick.*

Princeton Acad. of Sci., Princeton. Incorporated, Jan. 23, 1882.

Hon. Simon Elliot, Pres.; Jacob Miller, Cor. Sec.

Princeton Science Club. Organized 1877. Pres., Prof. C. A. Young. Prof. W. F. Magie, Sec.*

Trenton Natural History Society. Austin C. Apgar, Pres.; Fred A. Lucas, Sec. Publishes Journal. Has Coll. and Library.*

NEW YORK.

Agassiz Association, Chapter 811, Nyack-on-Hudson. Organized in 1884, for the study of the various depts. of Nat. Sci. Meetings are held on the second and fourth Wed. evenings in each month, excepting July and August. G. D. Wilson, Pres.; Miss Emma Partridge, Sec.; J. C. Gregory, Cor. Sec.*

Agassiz Association, Student's Chapter, 949 Z. Organized Feb. 1886. T. G. White, Pres.; R. C. McCaffrey. Cor. Sec. Meets on first and fifth Sat. evenings of each month at 49 W. 20th St., New York. N. Y. C. in Min. Geol., Bot.. Ent. and Con.*

Albany Institute. Incorporated, March 12, 1793. Leonard Kip, Pres.; Ernest J. Miller, Cor. Sec. Library, Collection.*

American Chemical Society, University Building, Washington Sq., New York City. Incorporated, Nov. 10, 1877. H. W. Wiley, Washington, D. C., Pres.; A. C. Hale, Brooklyn, N. Y., Gen. Sec. Library. F. E. Dodge, Brooklyn, N. Y., Librarian.*

American Geographical Society, 11 W. 29th St., New York City.*

American Institute of Mining Engineers. Henry M. Howe, Boston, Mass., Pres. (1893); Rossiter W. Raymond, 13 Burling

Slip, New York City, Sec.*

American Microscopical Society of City of New York. T. H. Mc-Allister, Pres.; O. G. Mason, Sec., Bellevue Hospital, New

York City. Meetings at residences of members.*

American Museum of Natural History, Central Park, New York City. Incorporated, 1869. Morris K. Jesup, President. Publishes "Bulletin" and "Annual Report." Library of 28,000 volumes and Museum.*

American Postal Microscopical Club. Founded 1875. Prof. Samuel Lockwood, Freehold, N. J., Pres.; R. Halsted Ward, M.D.,

Troy, N. Y., Manager.*

"Astronomical Department, Brooklyn Institute," (Formerly Am. Ast. Soc.) re-organized, 1888, Garrett P. Serviss, Pres.; James P. Hall, Sec. Meets first Monday in each month, Brooklyn N. Y. Members 140.*

Brooklyn Entomological Society, Dept. of Entomology of Brooklyn Institute. Richard F. Pearsall, Pres.; Prof. John B. Smith, Cor. Sec. Publishes "Entomologica Americana." Address, Brooklyn, N. Y. Meetings first Tuesday of each month, Brooklyn Institute, Brooklyn, N. Y.*

Brooklyn Institute, The, Brooklyn, N. Y. Anth., Architecture, Ast., Bot., Chem., Min., Phys., Elect., Law, Mic., Photog., Meteo., Zool., Philol., Ent., Engineering, Fine Arts., Geog., Geol., Math., Mic., Music, Painting, Philol., Photog., Physics, Political and Economic Science, Physichel., Sculpture, Zool. C.*

Buffalo Microscopical Club. Organized, 1876. F. Park Lewis, Pres.; James W. Ward, Grosvenor Library, Cor. Sec.; Louis A. Bull, Rec. Sec. and Treas. Meetings on the second Tues-

day of each month.*

Buffalo Society of Natural Sciences. Organized, Dec. 3, 1861. Hon. David F. Day, Pres.; Dr. Wm. C. Barrett, Cor. Sec. Museum and Library.?

Canandaigua Scientific Soc., Dr. A. L. Beahan, Vice Pres.; K. M.

Hart, Sec., Canandaigua.*

Central New York Microscopical Club, Syracuse. Incorporated May 28, 1883. A. Clifford Mercer, M.D., F.R.M.S., Pres.; Newton Hall, 2nd, Sec. Over 40 members.?

Central Park Menagerie, New York City. John W. Smith, Direc-

tor.*

College of Archwology and Æsthetics of the City of New York. Incorporated, 1880. Hon. Amos K. Hadley, Chancellor; J. W. Henry Canoll, Vice-Chancellor and Dean. Monthly meetings for study of the Archwology of the Fine Arts. Dean's office 120 E. 105th St., New York.

Cornell Nat. Hist. Soc., Cornell Univ., Ithaca. E. J. Durand,

Sec.

Geological Society of America, The. Prof. H. L. Fairchild, Sec.,

Rochester, N. Y.*

Gray Memorial Botanical Chapter of the Agassiz Assoc. A corresponding Botanical Society organized, Dec. 1887. G. H. Hicks, Agric Coll. Mich., Pres.; E. L. Byington, M.A., Fort Collins, Colo., Sec'y. Official Organ, "The Ornithologist and Botanist."

Jamestown Microscopical Society. Organized, 1873. S. Winsor

Baker, Sec. and Treas.*

Medical Society of New York. Pres., A. Walker Suiter, Herkimer; Vice-Pres., W. W. Crandall, Wellesley; Sec., F. C. Curtis, Albany; Treas., C. H. Porter, Albany. Annual meeting Feb. 2, 3, and 4 at Albany, N. Y.

Microscopical Society of Canandalgua. Rev. N. M. Calhoun, Pres.; Prof. E. H. Eaton, Vice-Pres.; Dr. Chas. T. Mitchell,

Sec. and Treas.*

Natural Science Association of Staten Island, Organized, 1881. Incorporated, 1885. Active membership 40, Walter C. Kerr, Pres.; Arthur Hollick, Sec., New Brighton. Publishes "Pro-

ceedings."*

New York Academy of Sciences (late Lyceum of Natural History), Columbia College, New York City. Incorporated, April 20, 1818. H. Carrington Bolton, Pres.; Capt. T. L. Casey, Cor. Sec. Annual meeting, fourth Monday in February. The publications of the Academy consist of the "Annals" and the "Transactions."* New York Entomological Society. Meets in the American Mus. of Nat. Hist., 77th St. and 8th Ave., every first and third Wednesday of each month. Publishes a "Journal."*

New York Microscopical Society, 64 Madison Ave., New York City. Organized, November 14, 1877. Charles S. Shultz, Pres.; Rev. J. L. Zabriskie, Cor. Sec., Waverley Ave., Flatbush, L.I., N. Y. Regular meetings on the first and third Fridays of each month, at 8 P. M.*
Rochester Academy of Science. Prof. Hermon LeRoy Fairchild,

President; Prof. Charles Wright Dodge, Cor. Sec.*

Torrey Botanical Club, New York City. Organized January, 1873. Addison Brown, Pres.; John K. Small, Cor. Sec. Publishes "Bulletin" and "Memoirs."*

Troy Scientific Association. Organized, 1870; incorporated, 1874. R. Halsted Ward, M.D., Pres.; Geo. H. Ennis, Cor. Sec.*

Vassar Brothers' Institute. Scientific Section, Poughkeepsie. Rev. Wm. B. Hill, Pres.; Prof. Wm. B. Dwight, Curator of Mus.; Edward Burgess, Chairman Sci. Section.*

Warner Observatory, Rochester. Lewis Swift, Ph.D., F.R.A.S.,

Director.*

West Side Nat. Hist. Soc. of New York City, The. Meets 2nd and 4th Sundays of each month. Communications should be addressed to the President, Edmund B. Southwick, Ph.D., Arsenal B'l'd'g, 64th st. and 5th Ave., Central Park, N. Y. City.*

NORTH CAROLINA.

Elisha Mitchell Scientific Society, Chapel Hill. Library. Semiannual Journal, F. P. Venable, Sec.*

Central Ohio Scientific Association, Urbana. Established, October, 1874. C. M. Mosgrove, Pres.; T. F. Moses, Cor. Sec.* Cincinnati Society Natural History, 108 Broadway. Organized,

Jan. 19, 1870. Library and Museum, Members 230. Publishes Quarterly Journal. T. B. Collier, Pres.; T. H. Kelley, Sec.; Seth Hayes, Dir. of Mus.*

Cuvier Club, 34 Longworth St., Cincinnati. Organized, Jan. 1, 1875. H. C. Culibertson, Pres.; J. F. Blackburn, Sec. and

Treas.*

Irisha Land-Wehr Verein, I. L. W. V. Hall, 115-117 W. 6th St., Cincinnati. Museum of War, Art and Nature.*

Licking County Pioneer Historical and Antiquarian Society, Newark, Ohio. Isaac Smucker, Pres.; E. M. P. Brister, Cor. Sec.; James H. Smith, Custodian.*

Literary and Scientific Society, Madisonville. Hon. Joseph Cox, Pres.; Dr. Charles L. Metz, Sec.*

PENNSYLVANIA.

Academy of Natural Sciences of Philadelphia. Founded, March 12, 1812. Gen. Isaac J. Wistar, Pres.; Dr. Benj. Sharp, Cor. Sec.; Edw. J. Nolan, M.D., Rec. Sec. Publishes "Proceedings" and "Journal."* Academy of Science and Art of Pittsburg. Founded, 1889; incorporated, 1890. John A. Brashear, Pres.; Geo. H. Clapp, Sec. Publishes "Proceedings."*

American Entomological Society, Philadelphia. Incorporated, Horace Jayne, M.D., Cor. Sec. Publishes "Transac-

tions."

American Philosophical Society, Philadelphia. Founded, May 25, 1743. Frederick Fraley, Pres.; Dan. G. Brinton, Henry Phillips, Jr., George H. Horn, Geo. F. Barker, Secretaries. Publishes, "Proceedings" and "Transactions."*

Botanical Society of Western Pennsylvania. Founded 1886; Incorporated, 1890. Prof. G. Guttenberg, Pres.; Prof. J. G. Ogden,

Sec. Herbarium.*

Chester County Acad. of Arts and Sciences. Prof. G. M. Phillips,

Pres.; Samuel Marshall, Sec.*

Engineers' Society of Western Pennsylvania. W. L. Scaife, Pres.; S. M. Wickersham, Sec. Publishes "Proceedings." Erie Natural History Society, Erie. Ottoman Jarecke, Pres.; Miss

Rosina Hoyt, Cor. Sec.

Iron City Microscopical Society. Founded, 1880. Geo. H. Clapp, Pres.; J. F. Henirici, Sec. Numbers 90 members and is one of the largest Societies of the kind in the U.S.

Lackawanna Institute of History and Science, Scranton, Pa. J. A. Price, Pres.; J. H. Fisher, Sec. C. Ex. Coal fossils to ex.

for min. specimens.?

Lewisburg (Pa.) Scientific Society. Prof. W. E. Martin, Pres.;
Dr. Geo. G. Groff, Sec.*

Linnæan (Scientific and Historical) Society, Lancaster. Organized, February 15. 1862; chartered, August 30, 1865. J. P. Meyer, Cor. Sec. Large Museum and Library.*

Lyceum of Natural History, Marietta. Geo. W. Mehaffey, Pres.;

I. S. Geist, Sec. Museum and Library.*

Mineralogical and Geological Sections of A.N.S.P. T. D. Rand, Dir.; A. E. Foote, M.D., Sec. Publishes "Proceedings."?

Numismatic and Antiquarian Society, Philadelphia. Founded,
 Jan. 1, 1858. Daniel G. Brinton, Pres.; Stewart Culin, Rec.
 Sec.; Benj. S. Lyman, Cor. Sec. Publishes "Proceedings."

Pittsburgh College of Pharmacy, Cor. Market and Water Sts., Pittsburgh. Bot., Min., Chem., Materia Med. C. Ex.* Reading Society of Natural Sciences. Instituted, January 1, 1869; incorporated, Nov. 8, 1869. Henry Landis, M.D., Pres.; M. A.

Rhoads, M.D., Sec. Library and collection.*

Spencer F. Baird Naturalist Association, Reading. Organized, April 1, 1882. H. H. Weitzel, Pres.; Geo. Gehert, V. Pres.; T. A. Kendall, Sec. and Treas. Arthur Brooks, Curator Museum and Library. The Association desires to exchange minerals for others for its cabinet. Please send lists.

Wagner Free Institute of Science, Philadelphia, Pa.*

Wyoming Historical and Geological Society, Wilkes-Barré. Incorporated, 1858. Calvin Parsons, Pres.; Sheldon Beynolds, A.M., and Jos. D. Coons, Secretaries. Publishes "Proceedings and Collections." C.*

Zoological Society of Philadelphia. Incorporated, 1859. Charles Pratt, Pres.; Thos. Hockley, Secretary; Wm. Hacker, Treas.

RHODE ISLAND.

Newport Nat. Hist. Soc., Incorporated, 1883. Museum in Newport, R. I., illustrating local Geology, Fauna and Flora. Publishes "Proceedings." Pres., Dr. H. R. Storer; Sec., A. O'D. Taylor.*

Providence Franklin Society, 54 No. Main Street. Chartered, 1823. Scott A. Smith, Pres.; C. R. Drowne, Sec. Annual meeting

first Tuesday in January.*

Rhode Island Horticultural Society, Providence. Instituted, Sept. 6, 1845; Incorporated, Jan., 1854. John G. Massie, Pres.; Charles W. Smith, Sec. and Treas.*

TEXAS.

Texas Academy of Science, Organized Jan. 9, 1892. Headquarters, Austin, Texas. Dr. Edgar Everhart, Pres.; Dr. Alexauder Macfarlane, Hon. Sec., Publishes "Transactions."*

Texas Museum, Scientific and Literary Association, San Antonio. Dr. Isidor Lerinthal, Pres.; C. Runge, Sec.?

UTAH.

Deseret Museum, Salt Lake City, Utah. J. E. Talmage, Ph.D., F.R.M.S., Pres.*

VERMONT.

Society of Natural History, Brattleboro, Judge H. H. Wheeler, Pres. Dr. Wm. B. Clark, Cor. Sec.*

Pres.; Dr. Wm. B. Clark, Cor. Sec.*
The Fairbanks Museum of Natural Science, St. Johnsbury. Incorporated, Nov., 1889. Franklin Fairbanks, Pres.; Martha G. Tyler, Cur.*

VIRGINIA.

Richmond Microscopical Society. Chartered, 1880. Dr. Henry Froehling, Pres.; Dr. Wm. Gascoyne, Vice-Pres.; G. A. Pepley, Sec.; Thomas Christian, Treas.?

Southern Virginia Naturalist's Club, Wytheville. Geol., Min., Mic., Bibliog., Zool., Anth., Arch., Eth., Orn., Ool., Ent. C. Ex.*

WASHINGTON.

Tacoma Academy of Science, Tacoma, Wash., Hon. Frank Allyn, Pres.; M. S. Hill, Rec. Sec.; Prof. Wm. C. Taylor, Cor. Sec.*

Washington Alpine Club, Tacoma. Gen. August V. Kautz, Pres.; Fred G. Plummer, Sec.; C. B. Talbot, Treas. Geol., Bot., Topog., History.*

BERMUDA.

Peniston, Annie M., Penistons, The Flatts. Moll. C. Ex.*

CENTRAL AMERICA.

COSTA RICA.

Alfaro, A., Mus. Nacional, San José. Arch., Hymenopt. C.*
Borges, Abelardo A., Maestro Sup. y Prof. de la Escuela Graduado de San José. Lepid., Coleopt. C. Ex.*

Carmiol, San José. Rot.

Cherrie, George K., Curator and Taxedermist, Museo Nacional, San José, Costa Rica. Mammals, Orn., Ool., Herpetol., Tax. C.*

Pittier, Prof. Dr. H., Director of the Phys. and Geog. Inst., San José. Phys., Geog., esp. Geog. Dist. of Plants. Offers to any serious specialist, to supply him with Costa Rica collections Monographers of the of his preferred group, free of charge. Euphorbiaceæ, Scrophulauriaceæ, Acanthaceæ, Gesneraceæ, Myrtaceæ, Malvaceæ, Alsineæ, of which there are rich series at the Bot. Gardens in Brussells are especially wished for.

Tonduz, Ad., Inst. Fisico Geografico, San José. Bot. C. Ex.* Underwood, C. F., Cur. Ent. Dept., Mus. Nacional, San José. Ent.*

Zeledon, José C., San José, Costa Rica. Orn.

GUATEMALA.

Luna, Dr. David, Prof. Univ., Guatemala. Phys., Chem., Bot.? Peper, E., Guatemala. Ent.

Rockstron, Edwin, Guatemala. Zool.

Rodriguez, Juan J., 4 A Ave. Sur. 7, Guatemala. Zool., Gen. Biol., Emb., Anat., Anth., Arch., Eth., Ethnog., Philol., Vert., Mammals, Orn., Ool., Herpetol., Ichth., Tax, Osteol., Myol., Histol., Articulates, Ent., Hymenopt., Lepid., Invert. C.*

Sarg, Francis C., Vice-Consul German Empire, Coban. Zool.,

esp. Spiders and Fresh Water Fishes.

Türckheim, Freiheer H. von. Coban, Alto Vera Paz. Bot., Lepid. C. Ex.

Yela, Dr. Joaquim, Prof. Univ., Guatemala. Bot., Nat. Hist.

HONDURAS.

Devenish Syl., Port of Spain. Ophidiæ.

King, Wm. R., Dir. Honduras Bot. Gardens, Patuca, Rep. of Honduras.
C. A. via N, Orleans, D. C. Bot., Hort., Mic., Gen. Biol. Spec. Palmal Plants, Seeds and Pressed Specimens. Richmond, Charles W., Patuca, Honduras. Mam., Orn., Ool.,

Herp. C.

Thieme, Dr. Carolos, San Pedro. Bot., Ent., Con. C. Ex. in Lepid.

Witkugel, Erich, Naturalist, San Pedro Sula. Mammals, Orn., Ool., Ent., Hymenopt., Lepid., Dipt., Coleopt., Hemipt., Orthorpt., Neuropt. C. Ex.*

NICARAGUA.

Arguelle, Narciso, Ruvas. Indigo, Chocolate, Rubber, etc.

Avilez, Antonio, Potosi. Bot., Agric. Bénard, Luis, Granada. Ex. all kinds lit.

Braida, Count Segismundo, Consul U.S.A., Grey Town. Insects, Butterflies, Snake Skins, Curios, etc.

Callejas, Juan, Chinendega. Agric., Bot. Chamberlain, P. W., C.E., Managua. Bot., Geol., Min., Chem., Phys., Mechanics, Anth. C.*

Chambers, Eduardo, Libertad, Chontales. Min., Insects. Ores in ex.

Coffin, Marcelino, Rivas. Woods, Dyes, etc.

Davis, Frank P., Div. Eng., Nicaragua Canal Construction Co., Indian Antiq. and Photographs from Nicaragua.*

Downing, Dr. Alex. A., Granada. Anth. Ex. for any kind of Bot. or Nat. Hist. specimens new to Nicaragua.

Downing, Lieut. Orlaudo, Granada. Ferns, Flora. Downing, Lieut. Col. Wm. H., Granada. Ex. books, publications, Stamps, etc.

Flint, Dr. Earl, Assoc. Victoria Inst., Rivas. Antiquarian, Arch. Gamez, Prof. Albert, Sub-Sec. of Public Works. Managua. Bot., Min., Hist., Chem.

Gasteazora, Prof. Jose Ma. M.D., Chinendega. Anat.

Gavinet, Julio, Granada. Arch. Collector of Antiquities. Fine and valuable collection.

Grant, Louis T., Elect. Engineer, Managua. Elect., Photog * Gutierrez, Emelio, Libertad, Chontales. Mines, Rubber, Butter-

flies, Insects, Woods, etc. Harris, Beverly, Blue Fields. Flora. Hort., Bananas, Insects, etc. Henry, Wm., Granada. Gen. Science.

Homma, Prof. Frank, Leon. Chem. Ingalls, Walter, Grey Town. Stamps, Curios, etc.

Low, H. F., Managua. Curios, Antiq., etc.

Moriche, Eugenio, Rivas. Kattlesnakes, Insects, Butterfties, etc.
Murray, David L., Managua. Min. Ex. ores, etc.
Palacio, Enrique, Corinto. Shells, Mammals.
Peter, Alberto, Managua. Hort., Bot., Agric. Ex. Samples Coffee, Rice, Beans, Seeds.

Pizzi, Carlos, San Juan Del Sur. Shells, Mammals. Raimierez, Aciselo, Managua. Stamps, Seals, etc.

Raimerg, Prof. Miguel, Univ. of Granada. Geol., Palwo.

Richardson, Thos., Matagalpa. Birds, Shells, Coffee, Precious

Salivery, Prof. Antonio, Granada. Bot., Ast., Zool., Arch. Ex. Sauza, Prof. E. de, Grey Town. Insects, Venomous Snakes, Herbacia, Etc.

Schubert, P. E., Leon. Phan. Plants; (Coffee, Cocoa).* Solomon, T. M., Prinza Pulka. Mining, Ores, etc.

Stubbert, J. E., Chief Surveyor Nic. Canal, Managua. Vert. Anat., Emb.

Von Poten, H., Leon. Woods, Herbs, etc.

SAN SALVADOR.

Ulex, Oscar, San Salvador. Lepid., Coleopt.

GREENLAND.

Taylor, Joseph Walter, Noungme.

MADEIRA.

Johnson, James Y., Corr. M.Z.S. (London), Funchal. Bot. of Madeira, Ichth., Crustacea, Radiates, Sponges.*

MEXICO.

Aguilar, Ponciano, Guanajuato. Mining Engineer. Alcacio, Donaciano, San Diego de la Union, Guanajuato. Bot. Alcaráz, Ramon Y., City of Mexico. Agric. Aleman, Dr. Jesus, Moro Leon, Mexico. Zool.

Altamirano, Dr. Fernando, Instituto Medico, City of Mexico. Altamirano, Ignatius M., "La República," City of Mexico. Anda, Manuel de, M. and C.E., Manrique, 6, City of Mexico. Strat.

Geol., Min., Metall., Meteo.

Andanegui, Juan, B., Pinos, Zacatecas. Min. Anguiano, Angel, Dir. Nat. Obs., Tacubaya. Ast.

Arevalo, Dr. José S., Morelia. Nat. Hist.

Arriaga, José Joaquin, Mem. Mex. Nat. Hist. Soc., City of Mexico. Bot., Zool.

Ayme, Luis H., Merida, Yucatan. Arch.

Barcena, Mariano, Dir. del Observatorio Central, Prof. de Geol. and Palæo., Museo Nacional, City of Mexico. Geol. C.* Barroeta, Prof. G., M.D., San Luis Potosi. Phys., Zool., Bot.

Ex.

Barroso, Agustin, City of Mexico. Bot.

Beachel, L. A. Antiquarian, Santa Isabel, 61, Mexico. Min.

Blake, Francis H., El Oro, Estado de Mexico. Geol., Min., Crystall., Inorg. Chem., Metall., Physics.

Blanco, Luciano, Guadalajara. Mining Engineer.*

Blazquez, Prof. Ignacio, Nat. Hist. Moll., Puebla. Bot.

Bonilla, J. A. Zacatecas. Min.

Cervantez, Faustino, Calle de la Esampa, 2, Morelos.

Chazaro, M. M., Tlacotalpam. Bot.

Chico, Dr. Jesus, Guanajuato. Hygiene.

Contreras Juan N., Guanajuato. Mining Engineer. Crespo, Gilberto, City of Mexico. Min.

Dios Fierros, Juan de, Administrador de correos, Progreso-

Yucatan. Palæo., Ast., Bibliog., Gen. Biol.*
Dondé, R. Juan, Prof. Pharm., Chem. and Nat. Hist., Calle de los Rosados, No. 48, Merida, Yucatan. Bot., Zool., Ent. Coleopt.,

Orn., Chem. C. Ex.

Dugès, Alfredo, Prof. Nat. Hist., Colegio del Estado, Guanajuato.

Zool., Bot., Vert., especially Reptiles. C.*

Dugès, Dr. Eugène, Morelia, Michoacan. Coleopt.*

Egeling, B. F. G., Ph.G., Ph.D., Memb. Verein f. Naturkunde Cassel; Bot. Verein Landshut,; Deutsche Bot. Ges. Berlin, etc.; Ciudad Porifirio Diaz, Coahuila. Bot: Phæn. Plants, Lichens, Chem., Mic., Orn. C. Ex.

Endner, Agustin, Assayer of the Mint, Oaxaca.

Fernandez, Leandro, Mexico. Ast. Fernandez, Vincente, Prof. de Farmacia, Colegio del Estado, Guanajuato. Meteo. C. Ex. Mexican birds for those of China and Australia.

Finck, Hugo, Cordova. Arch., Bot., Geol.

Flores, Dr. Reyes G., Calle de St. Domingo 35, Guadalajara. Fornel, Ing. Manuel, Museo Nacional, Mexico. *Min.* Bot.

Garcia, Dr. Creoensio, Cotija Michoacan. Nat. Hist., Geol. C.

Ex.

Glennie, Francisco, Guanajuato. Mining Engineer.

Gonzala, J. Eleuterio, Monterey. Bot. Gonzalez, Jesus, City of Mexico. Bot. Guevara, Ignacio, Guadalajara. Math.

Gutierrez, José M., Ameca, Jalisco. Bot. Heinemann, Dr. C., Vera Cruz. Physiol.

Herrera, Prof. Alfonso L., Museo Nacional 3 a. Calle del Cipres No. 7, City of Mexico. Gen. Zool.*

Huacuja, Francisco F., Botica de San Francisco, Morelia. Pharmacy, Chem.

Ibanez, Joaquin, Mem. Nat. Hist. Soc., Puebla. Bot.

Iparraguirre, Francisco Fernandez, Pharmacien, Guadalajara. Bot. C.

Johnson, Wm. D., Jr., Colonia Diaz, Chihuahua. Ent. C. Ex.*

Kerr, Prof. J. H., City of Mexico. Chem., Geol.

Landero, C. F. de, Ingénieur Geographe et des Mines. Inspecteur des Mines. Prof. de Chimie à l'Ecole des Ingénieurs. P. O. Box 34, Guadalajara. Min., Chem., Ast. C.

Lazo de la Vega, J. M., City of Mexico. Bot.

Leon, Miguel Velazquez de, M. E., Hacienda de Pabellon, Aguas Calientes. *Mining*, Agric. Can procure silver, copper and lead ore samples under an industrial point of view.

Léon Dr. N., Guadalupe Hidalgo D. F., I del Progreso No. I.

Leon, Dr. Nicholás, Calla Sta. Catarina, Morelia, Mexico. Antiq., Anc. Books.

Lilliendahl, A. W., Mining Eng., Guanajuato, Mex. Min. C. Ex. Lobato, Flavio, Guanajuato. Min.

Lopez, Dr. Francisco, Calle 63, Morelos. Meteo.

Mariano Leal, Leon E. de, Guanajuato. Chem., Meteo. Has meteorol. data for three years.

Medal, Melesio, M.D., Facambaro, Michoacan. Nat. Sci. C. Ex.*

Médico, Paramo, City of Mexico. Meteo.

Melesio, Dr. Medal, Facombaro, Michoecan. "Botica de la Purisima." Path., Bot., Hygiene.

Mendivil, Cirilo Gomez, Lagos. Agric.

Monroy y Salazar, Pedro L., San Luis Potosi. Min.

Moreno, Aniceto, Orizaba. Bot. Munoz, Rudolfo, Real del Monte. Mining Engineer. Muro, Luis, Colegio del Estado, Guanajuato. Min.

Navia, Severo, Prof. School of Mines, Guanajuato. Min.

Niven, Wm. Cuautla-Morelos. Min., Photog., Arch. C.

Ochoa, Juan, City of Mexico. Min. Oliva, Sabino, Guadalajara. Bot.

Orozco, Pablo, Guanajuato. Mining Engineer.
Paparelli, Louis, Tech. Dir. of the Vineyards, Winery and Distillery at the Hacienda del Rosario, Parras, Estado de Coahuila. Hort., Agric. and Indust. Chem., Mic.*

Tarres, Joaquin, M. and C.E., Guanajuato. Geol., Min., Crystall. Lithol., Metall., Palæo. C. Ex. mins. and rocks.

Pascal, Agustiss v., Guadalajara. Ast., Geol.

Penafiel, Antonio, Dr., Dir. Gen de Statistique de Mexique. Philologue Mexican et Antiquaire.

Perez, Lalara, Prof. in the Inst. of Sci., Calle de Santa Teresa, 18, Guadalajara. Chem., Pharm.

Perez y Arce, Nanuel, Calle de Santa Moniica, 4, Guadalajara. Pharm., Chem.

Prieto, Raoul, P. O. Box 34, Guadalajara. Chem., Min., Elect., Ast., Metéo. C. Ex. Puente, Feliciano G., Boticario, Morelos. Pharm.

Puga, Nicolais, Guadalajara. Chem.

Quijano, Ficaro, Mazatlan. Bot.

Ramirez, Dr. José, Prof. de Zool. en el Museo Nacional y en el Inst. Médico Nacional, City of Mexico. Zool., Bot. Ramirez, Dr. Roman, Prof. de Zool. en la Escuela de Agric, City

of Mexico. Zool.

Ramirez, Santiago, Calle de Buenavista, 15, City of Mexico. Mining Engineer.

Ramos, José, City of Mexico. Bot.

Reyes, Manuel O., City of Mexico. Bot.

Reynoso, Francisco, M.E., Prof. de Fisica en el Colegio del Estado. Geol., Min., Crystall., Lithol., Metall., Physics. C. Ex.

Rocha, Ignacio G., Calle de Sopena, Guanajuato. Mining En-

gineer.

Romero, Carlos, Prof. de Géol et de Paléo. au Collége, Guanajuato. Rovirosa, José M., Ing. topog., Prof. Hist. Nat. en el Inst. Juarez de esta ciudad, San Juan Bautista, Fabàsco. Bot: Phæn. Plants, Ferns, Philol., Geog. Dist. of Plants. C. Ex.*
Salgado, Dr. Francisco, Colegio del Estado, Guanajuato. Pathol.

Sanchez, Jesus, Cuadranto de Sta. Catarina, 15, City of Mexico.

Zool.

Sauri, Ricardo, M.D., Merida, Yucatan. Ent.

Schiaffino, Mariano L., M.E., Electrician, Guadalajara. Elect.*

Schlemm, W. H., Mech. Eng. and Metall., San Miguel del Mezquital, Zacatecas. Phys. Geol., Metall. C. Ex. Min., and Lithol. Segura, José, City of Mexico. Bot.

Sepúlveda y Lucio, Fernando, Licenciado en Farmacia, Plaze, 6, Farmacia, Villa de Brihnega, Guadalajara. Bot. C. Ex.

Silva, J., Zacatecas. Geol. Socket, Sherman G., Corralitos. Metall.

Tena, Dr. Miguel, Botica de Guadalupe, Catarinas, 16, Morelia. Patologia, Cirugia, Obstetricia, Botanica. Bot. C. Ex. Tonel, Jean, Cardova. Bot.

Urbina, Manuel, City of Mexico. Bot.

Velazco, Sr. José M., Museo Nacional, City of Mexico. Zool.

Valle, Felipe, Tacubaya, D. F. Ast.

Villada, Dr. Manuel, Nat. Museum, City of Mexico. Bot., Zool.

Wadgymar, L. A., City of Mexico. Zool., Orn., Bot. C.

Weidner, Dr. Frederick, Mazatlan. Geol.

Wilson, H. G., Ensenada, Lower Calif., Mexico. Orn., Ool. C. Ex.*

Winton, Rev. Geo. Beverly, San Luis Potosi, Mexico.* Yarate, Francisco P., Zacctecas. Mining.

ILL MIQUELON.

Delamare, Dr. E., Ill Miquelon. Bot: Esp. Lichens, Sphag.

NEWFOUNDLAND.

Fowler, Great Placentian. Mining.

Howley, James P., F.G.S., Dir. Geol. Sur. of Newfoundland. St. John's.

McKendrick, Neil, Great Placentia. Mining.
Somerville, Beverly R., M.D., Western Bay. Medicine, Arch., Gen.
Antiq., Eth. Correspondence solicited from those desiring rare or current Postage Stamps.

Latimer, A. W., Lumpkin, Stewart Co., Ga. Mic., Lepid., Ool., Bot. C. Ex.?

Archer, Alleyne S., St. Johns. Bot., Hort. C. Tropical Plants. for sale or Ex.*

ANTIGUA.

Barber, Charles A., M. A., F.L.S., Supt. Agric., Leeward Islands.* Tillson, Arthur G., Cur. Bot. Station, Antigua. Hort., Bot. Watts, F., F.I.C., F.C.S., Island Chemist, Antigua. Geol., Chem., Mic., Meteo.

BAHAMA ISLANDS.

Saunders, Harry R., Nassau, N. P. Ferns, Alga, Sponnges, Sea-Shells.

BARBADOS.

Bovell, J. R., Dir. Bot. Station, Barbados. Bot., Chem. D'Albuquerque, J. P., M. A. Cantab., F.I.C., F.C.S., London and Berlin, Island Prof. of Chem. and Agric. Sci., Bridgetown, Barbados. Chem.*

Franks, Godfrey Firth, M.A., F.G.S., Harrison Coll., Barbados. Geol., Lithol., Philol., Fossil Protozoa.*

Pranho, G. P., M.A., F.G.S., Master Harrison Coll., Bridgetown, Barbados. Geol.

CUBA.

Babé, Dr., Con. del Mus. de Hist. Nat. de la Acad. de Ciencias médicas. fisicas y naturales, Calle de San Isidro, Havana. C. Blain, José, San Cristobal. Bot.

Bravo, Juan E., "La Emma," Boniato (Santiago de Cuba). Mosses,

Lepid., Coleopt. C. Ex.* Cabrera y Martinez, José Santa Maria del Rosario. Lepid.

Cisneros, Andrés M. de, Cardenas. Con. Ex.

Clerk, Francisco, Rector del Colegio de los Bdoz Escolapios de Guanabacoa. Min., Moll. C. Gordon D. Ant. M. de Univ., Havana. Ent.

Gundlach, Juan, Ph.D., Calle Virtudes, 109, Havana. Mam., Orn., Herpetol., Con., Ent. C. of the Cuban spec. Gutierez, Dr. José Nicolas, Rector de la Univ., Calle del Sol., Ha-

vana. Zool., Moll. C.

Lachaume, Jules, Dir. of the Acclimatation Garden, Havana. Bot.

Latorre, Carlos, Colegio de San Carlos, Matanzas. Zool. C.

Martin, Angel, Mauranillo. Orn.

Martinez, José Cabrera, Sta. Maria del Rosario, Cotorro. Lepid. C. Ex. Correspondence in French or Spanish.

Morales, Dr. Sebastian A. de, Calle de Verlarde, 5, Matanzas. Bot.

Presas, J. Manuel, Matanzas. Bot.

Ramirez, del Rio, Dr. Francisco, Aguila 1, Habana. Helicidæ. Con. C. Ex.*

Santos Fernandez, Dr. Juan, Ophthal., Dir. Havana Histo-Bacteriol. Lab., Reina 92, Havana.

Souza y Rodriguez, Benigno, Pedross. Lepid. C. Ex.* Yradi, José, Cayetano. Ent.

CURACOA.

Wills, J. Lainson, care Messrs. Evertez, Curacoa. Min. DOMINICA.

Rodriguez, Juan José, Guatemala. Bot., Gen. Zool., Biol. Elliot, Wm. R., Hatton Hall, Prince Ruperts, Dominica. Phan. and Crypt. Plants, Ferns, Mosses, Fungi, Lichens, Hort., Ent., Lepid., Coleopt. C. Ex.*

Green, H. F., Supt. Training School, Dominica. Bot.

Jones, Joseph, Cur. Bot. Station, Dominica. Bot.*

Nicholls, H. A. Alford, M.D., C.M., M.R.C.S., F.L.S., C.M.Z.S., Dominica. Bot., W. I. Bibliog., Zool. C. Ex.* Skinner, William, M.A., (Cambridge Univ.), Grammar School,

Roseau, Dominica. Invert. Palao., Geol., Photog., Gen. Biol., Moll. C. Ex.*

GRENADA.

Hely Hutchinson, Sir. W., Governor Windward Islands. Orchidaceæ.

Messerwy, W. J., Dir. Public Works. Gen. Sci. Smith, H. W., Cur. Bot. Station, Grenada. Bot. Wells, John Grant, St. George. Orn., Ool.

GUADELOUPE.

Colardeau, Dr. St. Felix, Basseterre. Bot.

JAMAICA.

Bassett-Key, Rev. E., Balaclava P. O. Jamaica, W. I. Bot., Arch. Bowrey, James John, F.C.S., F.I.C., Gov't Analyt. Chem., Kingston. Chem., Ent., Gen. Nat. Hist.

Brennan, J. F, Supt. of Works, P.W.D., Kingston. Phys., Elect., Photog., Meteo.*
Cockburn, N. S., 14 East St., Kingston.

Ent., Gen. Nat. Hist. Davis, L. Foster, Electrician, 19 Port Royal St., Kingston.

Fawcett, Wm., B.Sc., F.L.S., Dir. of Public Gardens and Plantations, Cinchona, Gordan Town, P. O. Gen. Bot. (Formerly of Brit. Mus. of Nat. Hist., London.)*

Hall, Maxwell, M.A., F.R.A.S., F. R. Met. Soc., Jamaica. Meteo., Ast.*

Harris, Wm., Supt. Govt. Cinchona Plantations, Gordon Town. Bot: Econ. Plants, Orchids, etc.*

Henderson, G. C., M.D., Kingston. Mic.

Hutchings, L., Kingston. Ex. Jamaica Ferns, Land Shells.

Institute of Jamaica. Founded, 1879. Museum and Library. Frank Cundall, Sec'y and Librarian, C. H. Tyler, Townsend. Curator of Mus.*

Johnstone, Robert, Kingston. Meteo.

Mais, Rev. J. L., Walton. Lepid.

Plaxton, J. W., M.D., M.R.C.S., Kingston, Jamaica. Scotland, Rev. Horace, Kingston, Jamaica.

Stracham, Henry, M.D., Kingston, Jamaica. Nat. Hist.

Townsend, C. H. Tyler, (formerly Prof. Zool., Ent., and Physiol., New Mexico Agric. College), Curator of Museum, Institute of Jamaica, Kingston. Gen. Biol., incl. Palwo., Anat., and Physiol.; pure and applied Zool. and Ent. of the Neotropical region; and of the Mexican and Southwestern U. S. portions of the nearctic Geog. and espec. Verical Distrib. of species; Diptera, both recent and fossil, espec. Tachinida and dipterous larva. C. Desires all current papers and works published on the North and South American, and West Indian faunas, including the fossil fauna: and on the physiology, anatomy, variation, and descent of animal forms. In return will be glad to send material to specialists for study.*

Vendryes, Henry, Solicitor, Kingston. Con. and Fossils.

MARTINIQUE.

Nolly, G., Dir. Bot. Gardens, Martinique. Bot. PORTO RICO.

Alfau y Baralt, Antonio, San Juan. Coleopt., Lepid.

Guillerna, Cesar de, Ingeniero de Montes, San Juan. Bot.

Stahl, Dr. Augustin, Rayamon. Moll. Vasconi, Dr. Angel, Ingeniero de Minas, San Juan. Min., Geol., Palxo.

Vidaurre, José, Electrician, Dealer in Electrical Sup plies, Ponce Porto Rico. Physics, Elect.

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House, Highbury Quadrant, London, N. Algæ, Diatoms, Lepid.,
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Aldous, Thos. P., F.R. M.S., 37 St. Peter's Road, Croydon, Surrey.

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Andrews, R. T., 25 Castle St., Hertford. Bot., Local Antiq.
Archer, William, M.R.I.Ac., 11 South Frederick St., Dublin, Ireland.

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Bennett, Sir Jas. Risdon, M.D., LL.D., F.R.S., 22 Cavendish Sq., London, W. Bennett, John, F.R.M.S., Member of Bradford Sci. Assoc., Tudor St.,

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Blanford, Henry F., F.R.S., 7 Ingles Road, Folkestone. Meteo. Blanford, Wm. F., 72 Bedford Gardens, London, W. Geol., Geog. Dist., Vert., Mollusks.

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Bolas, Thos., 60 Grove Park Terrace, Chiswick, London. Chem.* Bonsfield, Edw. C., 363 Old Kent Road., S.E., London.

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Brodie, Rev. Peter B., M.A., F.G.S., Pres. of the Warwickshire Nat. and Arch. Field Club, Murchison Medalist, 1877, Rowington Vicarage, near Warwick. Geol. Ex. for fossil insects.

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Pharmacology and Therapeutics.

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Edinburgh, Scotland. India Arch., Geol.*

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Cambridge, Rev. O. P., M.A., F.R.S., Bloxworth Rectory, Wareham.
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Carmichael, Thomas D. Gibson, Chiesswood, Melrose, Scotland. Myriopoda.

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Carpenter, R. Herbert, Asst. Master, Eton College, near Windsor. Crinoids, Echinoderms.

Carr, J. W., M.A. (Cantab.), F.G.S., Sup't. of Biological Laboratory and Cur. Nat. Hist. Museum, University Coll., Nottingham. Palaco., Zool., Bot. C.*

Carr, W. D., 20 Carholme Road, Lincoln. Palæo. C. Ex. Carruthers, W., F.R.S., Curator Bot. Dept., Nat. Hist. Mus., London. Carter, H. J., F.R.S., The Cottage, Budleigh-Salterton, Devon. Sponges, Foraminifera and Infusoria.*

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Clarke, Ernest, F.L.S., F.S.A., Sec. Roy. Agric. Soc. of Eng., 12 Hanover Sq., London, W. Bibliog., Arch.*
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Cochrane, Miss, Glen Lodge, Strandhill, Southport. Bot. Cole, Arthur C., F.R.M.S., Microscopist, 29 Thurleigh Road, Wandsworth Common, London, S.W. Mic., Gen. Biol., Bot., Diatoms. Emb., Histol.

Cole, Grenville A. J., M.R.I.A., F.G.S., Prof. Geol., Royal College of Science for Ireland, Dublin, Ireland. Geol., Lithol., Min.*

Cole, Martin I., Lonsdale Chambers, 27 Chancery Lane, London. Bot.,

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Craig-Cristie, A., F.L.S., Lect. on Botany, 32 Southmorningside drive, Edinburgh, Scotland.

Craigie, Wm. A., M.A., 42 Seafield Road, Dundee, Scotland. Hist., Arch., Philol.

Crane, Miss Agnes, 11 Wellington Road, Brighton, Sussex. Palæo., Geol., Zool., Anth., Philol.*
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Crawford, W. C., F.R.S., Edinburgh, 1 Lockharton Gardens, Slateford, Scotland. Physiol. not.*

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Circus Road, St. John's Wood, London, N.W. Hort., Zool., Ent.,

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Duggan, Thomas R., F.I.C., F.C.S., Memb. Soc. of Public Analysts,
"Sunny Bank," Vaubrugh Hill, Blackheath, London, S.E. Chem., Metall., Phys., Mic.*

Dulau & Co., Scientific Booksellers, 37 Soho Sq., London. Nat. Hist.* Duncan, Alex., 7 Princes'-gate, S.W., London (and Providence, R. I.,

U.S.A.) Corals, Echinoderms.

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 D'Urban, W. S., Sidmouth, Devon. Geol.. Orn., Zool.
 Durrant, John Hartley, F.E.S., M. Soc. Ent. de France, Ent. Asst. to Lord Walsingham, The Cottage, Merton Hall, Thetford. Bibliog., Geog. Dist., Lepid: Pterophoride, Tortricide, Tineide. C. Ex.
 Dyer, Wm. T. Thistelton, M.A., C.M.G., C.I.E., F.R.S., F.L.S., District Property of the Cottage of

rector Royal Gardens, Kew.*

Dymond, C. W., F.S.A., Bath. Arch., Prehist. Antiquities.* Earl, A. G., M.A., F.C.S., Barrister-at-Law, Sen. Sci. Master Tonbridge School, Ferox Hall, Tonbridge. Org. and Inorg. Chem., Phys., Elect., Gen. Biol.*

Eaton, Henry Storks, M.A., R. Mcteo. Soc., London. Meteo.
Edmunds, James, M.D., M.R.C.P., London, F.C.S., F.R.M.S., etc., 29
Dover St., Piccadilly, London, W., Medical Office of Health and Public Analyst for St. James, London; Consulting Physician London Temp. Hospital; Ex-Pres. British Medical Temp. Association.*

Edmunds, Dr. Lewis H., D.Sc., LL.B., B.A., 1 Garden Court, Temple, E. C., London and St. John's College, Cambridge. *Mathematical* Phys., Chem., Elect., Magnetism.*

Edwards, Jas., F.E.S., Colesborne, Cheltenham. Ent.* Ellis, John William, M. B., L.R.C.P., F.E.S., 18 Rodney St., Liverpool. Coleopt., especially Coprophagous Lamellicornes.* Ellis, W.G.P., M.A., Saint Catharine's Coll., Cambridge. Bot.: Fungi. C. Ex.*

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Etheridge, Rob't., F.R.S., L. and E., Asst.-Keeper, Dept. Geol., British Mus., South Kensington, S.W., and 14 Carlyle Sq., Chelsea, S.W., London

London.

Evans, A. H., 9 Harvey Road, Cambridge. Orn., Ool., Bot.*
Evans, Franklen George, F.R.A.S., F.R. Meteo. Soc., J.P., Glamorganshire and Monmouthshire, Llwynarthan, Castleton, near Cardiff,

snire and Monmounsnire, Liwynarthan, Castleton, near Cardiff, South Wales. Meteo., Ast., Nat. Hist., Arch.*

Evans, John, D.C.L., LL.D., Sc.D., Nash. Mills, Hemel Hempstead. Prehistoric Arch., Geol., Anth., Ethnol. C. Ex.

Evans, John, C.M., F.L.S., Bow Street, R.S.O., Cardiganshire. Bot., Geol., Mic. C. Ex.

Eve, Richard W., M.B., 101 Lewisham High Road, London, S.E.

Everett, Alice, M.A., Ex-Scholar of Girton Coll., Royal Obs., Greenwich, London, Act.

London. Ast.

Ewart, J. C., F.R.S., F.L.S., Regius Prof. of Nat. History, University, 2 Belford Park, Edinburgh, Scotland. Vertebrata.*

2 Belford Park, Edinburgh, Scotland. Vertebrata.*

Ewing, Peter, The Frond, Uddington, Glasgow, Scotland. Phan. Plants, Ferns, Mosses. C. Ex.*

Farmer, John B., Magdalen College, Oxford. Crypt. Plants., Mosses. C. of mosses and hepatice. Ex. Farquharson, Mrs., F.R.M.S., Netherton, Meigle, N.B., Scotland. Ferns,

Mosses, Desmids. C. Ex.*

Fayrer, Sir Joseph, M.D., K.C.S.I., F.R.S., 53 Wimpole St., London, W. Vert., Mammals, Ichthyol.*

Feilden, Col. Henry W., F.G.S., C.M.Z.S., Wells, Norfolk. Orn., Geol. Fell, J. C., F.C.S., 188 Stanhope St., London, N.W. Ohem., Photog.*

Felton, Hugh, Dealer in Recent Shells, 89 Fulham Road, near Nat. Hist. Mus., South Kensington. Con.
Fenton, M. A., New Museums, Cambridge. Zool.

Fisher, Arabella B., Walreddon Manor, Tavistock, Devon. Bot., Ast., Gen. Biol.*

Fisher, Harry, 26 Stodman St., Newark. Bot., Photog. C. Ex.

Fisher, Rev. Osmond, M.A., F.G.S., Harlton Rectory, Cambridge.

Phys. Geol.
Fishwick, Henry, Lieut-Col., F.S.A., The Heights, Rochdale, Lan-

cashire. Arch.*

Fitch, Edward A., F.L.S., F.E.S., Brick House, Maldon, Essex. Ent.

Fitch, Frederick G., F.R.M.S., Pines, Enfield, London. Mic., Philol.*

Fleming, William J., M.D., 3 Woodside Terrace, Glasgow, Scotland. Surgeon.*

Fletcher, Fred'k Wm., Ph.D., F.C.S., Beauchamp Lodge, Enfield, Middlesex. Chem., Mic., Photog.

Fletcher, Lazarus, M.A., F.R.S., British Mus. (Nat. Hist.), South Kensington, London. Min., Crystall., Lithol. Fletcher, W. H. B., 59 Chapel Road, Worthing. Lepid. of United

Kingdom. C.* Flower, Sir William Henry, K.C.B., D.C.L., LL.D., Sc.D., F.R.S., Dir. Nat. Hist. Departments, British Museum, Cromwell Road, London,

S.W. Comp. Anat., Zool., Anth.*
Folkard, Miss Catharine, 128 Tulse Hill, London, S.E. Mic., Ent. Foord, Arthur H., F.G.S., British Museum, London, S.W. Palæo.

Forbes, Prof. Geo., M.A., F.R.S.S. (L. and E.), F.R.A.S., M. Inst. C.E., etc., 34 Great George St., Westminster, London; and 106 Broadway, New York, N.Y. Phys., Elect., Ast.*

Ford, Arthur, Glen-Mount, Braybrooke Road, Hastings, Sussex. Lepid.

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Foster, Michael, Prof. Physiol., Univ. of Cambridge, Cambridge.

Foster, Sir Walter B., M.D., Senior Prof. Medicine, Queen's College, 55 Temple Row, Birmingham.

Fowler, G. Herbert, Ph.D., Zool. Lab., Univ. Coll., London, W. Fox, Rev. Henry E., M.A., F.L.S., South Bailey, Durham. Orn., Bot. Frankland, Edward, Ph.D., D.C.L., LL.D., M.D., F.R.S., late Prof. Chem., Royal School of Science, London, The Yews, Reigate. Chem.*

Fraser, Alex., M.D., Owens Coll., Manchester. Emb., Mam.
Fraser, John, F.L.S., F.R.H.S., Journalist, 4 Willow Cottages, Kew,
London. Bot.: Phan. Plants, Ferns, Hort., Mic., Hist.*
Fream, William, Ll.D., B.Sc., F.L.S., F.G.S., F.S.S., Ed. of the
Journal of the Royal Agric'l. Soc. of England, Downton, Salisbury.

Agric. Sci.*

Freeman, Rev. A., Sittingbourne, Kent. Ast. Freeman, Wm., Ebenezer Terrace, Plumstead Common, Kent. Min. Ex.

Friend, Rev. H., F.L.S., Pres. Wesley Sci. Soc., The Grove, Idle, N. Bradford. Bot: Fungi, Mic., Gen. Biol., Philol., Worms. C.

Fry, Alexander, Thornhill House, Dulwich Wood Road, Upper Norwood, London. Coleopt. Ex.

Fryer, Alfred, Chatteris, Cambridgeshire. Specialty Genus Potamogeton. Varieties in ex. for any spec. or forms of Potamogeton from any part of the world.

Fulton, Hugh, Dealer in Recent Shells, 216 Kings Road, London.

Fulton, Hugh, Dealer in Recent Shens, 210 Kings Road, London.
Shells bought or ex., Coll. named and classified.*

Gadow, Hans, Ph.D., F.Z.S., Zool. Mus., Downing St., Cambridge.
Gain, William Albert, M.C.S., Tuxford, Newark. Moll. C. Ex.*

Galton, John C., M.A., F. L.S., F.Z.S., M.R.C.S., New University Club.

London, S.W. Zool., Comp. Anat.

Gamgee, Arthur, M.D., 17 Gt. Cumberland Place, London, W.

Gardiner W. Clarc College. Cambridge. Bot.

Gardiner, W., Clare College, Cambridge. Bot. Gardner, Willoughby, F.R.G.S., 18 Exchange Buildings, Liverpool.

Palæo., Geol., Arch., Numis., Orn., Ool., Ent.: Lepid., Hymenopt., Coleopt. C. Ex.*

Gasking, Rev. Samuel, B.A., F.L.S., F.G.S., F.R.M.S., Skelmsradale, Lancashire. Bot., Phæn. and Crypt. Plants, Invert. and Veg. Palæo. Ceol. Min. Min. Fat. Arch. C. Ex.

Palæo., Geol., Min., Mic., Ent., Arach. C. Ex. Gasquet, J. R., M.B., 127 Eastern Road, Brighton. Biol.

Gatehouse, James Wright, F.I.C., Public Analyst and Electric Inspector, 36 Broad St., Bath. Bot., Chem., Phys., Elect., Mic., Photog. C. Botanical Emb. of the Frog.* Geddes, Patrick, F.R.S.E., Prof. Bot. Univ. College, Dundee, Scotland, (Summer term), and Univ. Hall, Edinburgh (rest of the year), Biol., Bot.

Geikie, Sir Archibald, D.Sc., LL.D., F.R.S. (L. and E.), lately Prof. of Geol. and Min. in Univ. of Edinburgh, Dir. General of the Geol. Surv. of Great Britain and Ireland, 28 Jermyn St., London.*

Geikie, James, LL.D., D.C.L., F.R.S. (L. and E.), Prof. of Geol. and Min. in Univ. of Edinburgh, Edinburgh, Scotland.*

Gerrard, Edw., 61 College Place, London. Nat. Hist., Tax., Osteol. C. Institutions supplied.*

Gibson, Ernest, F.Z.S., M.B.O.U., 1 Eglinton Crescent, Edinburgh, Scotland. Orn.

Gibson, R. J. Harvey, A.M., Lect. on Bot. (Victoria Univ.), Univ. Coll.,

Liverpool. Crypt. Plants, Alga, Gen. Biol. C. Ex. Gibson, W. H., F.C.S., 122 Kings Road, Brighton. Chem. Gifford, J. William, F.R.M.S., Oakland, Chard, Somerset. Chem., Phys., Elect., Mic., Photog., Hist.*
Gilchrist, Percy Carlyle, F.R.S., 9 Bridge St., Westminster, London,

Gill, C. Haughton, F.C.S., F.R.M.S., Berkeley Lodge, Staines. Alga, Diatoms, Chem., Mic., Photog.*
Gladstone, J. H., Ph D., D.Sc., F.R.S., 17 Pembridge Sq., Bayswater, London, W. Chem., Phys.*
Gladstone, Rt Hon. Wm. Ewart, D.C.L., Hawarden, Cheshire.
Glaisher, J. W. L., Sc.D., F.R.S., Trinity Coll., Cambridge. Ast., Math.
Gledhill, J., Bermaside Observ., Halifax. Ast.
Gedman, Parey, S. R.A. Murtham Horsham. Rat. Zool. Arch. Orr.*

Godman, Percy S., B.A., Muntham, Horsham. Bot., Zool., Arch., Orn.* Goldsmith, Hy. St. B., King's Square, Bridgewater. Ool. Gore, George, LL.D., F.R.S., Inst. Scientific Research, 67 Broad St., Birmingham. Chem., Phys., Electro-Met.*

Gore, John E., F.R.A.S., M.R.I.A., Assoc. M.I.C.E., F.R.G.S.I., Hon. Memb. Liverpool Ast. Soc., Corresponding Memb. Ast. and Phys. Socs. of Toronto; Beltra, Ballisodare, Co. Sligo, Ireland. Ast., Variable and Double Stars.*

Gosse, Philip Henry, St. Mary Church, near Torquay. Graham, Archibald, Supt. of Garden Park and Works, Hampton Court Palace, London.

Green, Prof. A. H., F.R.S., Univ. Mus., Oxford, Eng. Geol.*
Green, W. S., F.R.G.S., H. M. Inspector of Fisheries, Dublin Castle.
Dublin, Ireland. Biol., Marine. Nat. Hist.

Greenwood, Miss Marion, Newnham College, Cambridge. Physiol., Bot. Author of papers on the digestive processes in Protozoa, etc.*

Gregory, James R., 88 Charlotte St., Fitzroy Sq., London, W. Min.* Gregory, J. Walter, F.G.S., British Mus. (Nat. Hist.), London, S.W. Palæo., Echin., Bryozoa.
Grieve, John, M.D., F.R.S.E., care of W. L. Buchanan, Esq., 212 St. Vin-

cent St., Glasgow, Scotland. Alga, Orn., Ichth., Crustacea.*

Groom, Percy, Caius Coll., Cambridge. Bot. (Morphol., Syst. and Taxonomic).

Groom, Theo T., St. John's Coll., Cambridge. Invert. Palæo., Geol., Lith., Zool.. Invert.

Grove, Edmund, F.R.M.S., Preston, Brighton. Diatomaceæ. Groves, Henry, 58 Jeffreys Road, Clapham Rise, London, S.W. Phanerogams, Hepaticæ, Characeæ (espec. water plants). Groves, James, F.L.S, 58 Jeffreys Road, Clapham Rise, London, S.W.

Phænorogams, Hepaticæ, Characeæ (Espec. water plants). Groves, J. William, F.L.S., F.R.M.S., formerly Prof. of Botany, King's College, London, Saville Club, Piccadilly, London, W. Bot., Mic., Gen. Biol.*

Grubb, Sir Howard, F.R.S., F.R.A.S., Knight, Hon. Master of Eng., Dublin Univ., Hon. Sec'y Royal Dublin Soc., Ast. Instrument Maker, 51 Kenilworth Sq., Rathgar, Dublin, Ireland.*

Grundy, C. C., F.L.S., F.C.S. (Lond.), South Shore, Blackpool. Bot.,

Chem.

Gude, G. K., 5 Giesbach Road, Upper Holloway, London. Hymenopt., Moll., Gen. Biol., Bibliog., Dist. of Helicidæ. Requests reprints of

papers. C. Ex.*

Guillemard, F. H. H., M.A., M.D., Cantab., F.L.S., The Mill House,
Trumpington, near Cambridge. Zool., Geog. Dist., Anth., Orn.*

Günther, Albert, M.A., M.D., Ph.D., F.R.S., British Mus., N.H., Lon-

don. Zool.*
Guppy, R. J. Lechmere, C.M.Z.S., London. Geol., Con. C.

Gurney, John H., Northrepps, Norwich. Orn. C. Gurney, John H., Jr., Keswick, Norwich. Orn. C. Gwatkin, Prof. H. M., Scrope Terrace, Cambridge. Moll.* Haddon, Alfred C., Prof. Zool., Royal Coll. of Science, Dublin, Ireland and of Inisfail. Hills Rd., Cambridge. Zool., Gen. Biol., Emb., Anth., Arch., Eth., Ethnog.*

Hadfield, Robert Abbott, care of Hadfield's Steel Foundry Co., Ltd., Sheffield. Metall., Physics, Elect.

Halkyard, Edward, The Firs, Knutsford, Cheshire. Foraminifera.

Hall, Capt. Marshall, J.P., F.G.S., F.C.S., Easterton Lodge, Parkstone,

R.S.O., Dorset. Geol., Chem.*

Hallam, S. Robinson, F.R.S., Devonshire House, Beauchamp Road, New Wandsworth, London, S.W. Bot.: Phen. Plants., Org. Chem., Mic., Photog., Ool., Histol., Ent., Lepid. C. Ex. Histol. and Pathol. Mic. Slides (Human) for others. Human parasites pre-

Halzier, Col. Henry, 87 Wimpoole St., London. Bot. C. Ex. Hamel, Egbert de, Middleton Hall, Tamworth. Bot., Inorg. Chem., Mic., Gen. Zool.

Hamilton, John M., Clarence Villa, Stepney, Hull. Hebrew Antiquities

collected during two visits to Palestine.

Hanbury, Frederick J., F.L.S., F.E.S., 37 Lombard St., London. Bot.: Phan. Plants, esp. Hieracia, Crypt. Plants, Ferns, Ent., Lepid. C.*
Hanitsch, Dr. Richard, Ph.D., Demonstrator of Zool., Univ. College,

Liverpool. Zool., Sponges.*

Harbison, Mann, 5 Ravenhill Terrace, Belfast, Ireland. Geol., Zool.

Harcourt, Edward William, Nuncham Park, Abingdon. Hort., Agric.,

Geol., Orn., Ool., Osteol.
Harcourt, L. V., Malwood, Lyndhurst, Hant. Orn.
Harcourt, Rt. Hon. Sir Wm. George Granville, Venables Vernon, Knt., M.A., 7 Maplewood-Hants.

Harding, Geo., F.E.S., The Grove Fishpond, Bristol. Ent.
Hardy, Jas. D., 73 Clarence Rd., Clapton, London. Pres. of the London
Amateur Scientific Soc., Memorial Hall, Farington St., London,

E. C.* Hargitt, E., 1 Northanger Rd., Streatham Common, London, S.W. Orn.*

Hargreaves, James, F.C.S., F.A.S., Widnes, Lancashire. Thermist and Tech. Chem.

Hargreaves, John, F.C.S., F.I.C., Cvere. CROCE D'ORO, Orde. Acdmco, Widnes, Lancashire. Technical Chem. and Met.

Harker, Allen, Prof., Nat. Hist., Royal Agric. Coll., Cirencester. Econ.

Ent., Gen. Biol.* Harmer, F. W., F.G.S., Oakland House, Oringleford, near Norwich. Exchange hardy Plants and Ferns.

Harris, George F., F.G.S., etc., 20 Craster-Road, Brixton Hill, London, S.W. Invert. Palæo., Strat. Geol., Moll. Large Coll. Ex. Harmer, Sidney F., Fellow King's College, Cambridge. Emb., Polyzoa.* Hart, D. Berry, M.D., F.R.C.S.E., Lect. Gynæcol., School of Medicine,

Edinburgh, Scotland. Hart, Fred'c Wm., F.C. Soc. London, Holly House, 96 Stoke Newington Road, London, N. Org. and Inorg. Chem., Metall., Phys., Elect.,

Mic., Photog.

Hart, Henry Chichester, B.A., F.L.S., Carrablagh, Croaghross, Letterkenny, Donegal, Ireland. Bot.: Phan. and Crypt. Plants, Ferns, Mosses, Hort., Veg. Palæo., Lepid., Meteo., Strat. and Physical Geol., Geog. Dist., Anth., Arch., Philol, Orn., Ool. C. Harting, James Edmund, Librarian to the Linnaan Society of London,

Harting, James Edmund, Librarian to the Linnæan Society of London, Burlington House, Piccadilly, London, W. Mam., Orn.
Hartley, W. N., F.R.Sc. Soc., L. and E., F.I.C., F.C.S., Prof. of Chem. and of applied Chem., Sci and Art. Dept., Royal Coll. of Sci., Dublin, Ireland. Chem. and Spectroscopy.
Hartog, Marcus Manuel, Prof. N. H., Queen's Coll., 5 Roseneath, Cork, Ireland. Crustacea, Hydroids, Echinoderms.
Harvie-Brown, John A., F.R.S.E., F.Z.S., Memb. Brit. Orn. Union, etc., Decker Chem.

Dunipace House, Larbert, Stirlingshire, N.B., Scot. Palco-Vert., Bibliog., Zool., Geog. Dist., Vert., Mammals, Orn., Ool., Herpetol.,

Haselwood, Jas. E., F.R.M.S., 3 Lennox Place, Brighton. Mic., Emb.,

Histol. C.

Hayward, Samuel, C.E., 22 Parliament St., Whitehall, London, S.W. Gen. and San. Sci. Head, C. J., F.I.C., F.C.S., 178 Clapham Park Road, London, S.W.

Chem., Metall., Min.

Headley, C. B., F.E.S., Stonygate Road, Leicester. Bot., Mic., Zool., Ent., Lepid., Coleopt. Have from 400 to 500 species Lepid., all British. C. Ex.*

Healey, George, Brantfield, Windermere. Geol., Min., Mic. C.*
Heape, Walter, Morph. Lab., New Museums, Cambridge. Emb.
Hearder, Henry P., M.P.S., Plymouth, Devon. Chem., Elect.*
Heath, Edw. A., M.D., F.L.S., F.E.S., etc., 114 Ebury St., London.
Bot., Ferns, Ent., Lepid., Coleopt. C. Ex.*
Heath, Thos., B.A., 1st. Ast., Royal Obs., Edinburgh, Scotland. Meteo.,

Ast

Hellon, Robert, Analyst, Whitehaven. Min., Crystal., Lith., Chem., Metall., Phys., Elect., Mic., Photog.

Hemingway, W., Garden House, Old Mill, Barnsley (Yorkshire). Veg. Palæo.

Hemsley, W. B., F.R.S., A.L.S., Principal Assist., Herbarium, Royal Gardens, Kew.*

Henderson, A., Liverpool. Ast.

Henderson, Prof. G. G., D.Sc., M.A., Prof. Chem., Glasgow and West of

Henderson, Prof. G. G., D.Sc., M.A., Prof. Chem., Glasgow and West of Scotland Tech. Coll., Glasgow, Scotland. Chem.*
Henslow, Rev. George, M.A., F.L.S., F.G.S., etc., Drayton House, Ealing, London, W. Bot.: Phæn. Plants, Hort., Geol., Min. C.*
Herbertson, Andrew G., Demonstrator in Plant Physiology, Univ. Coll., Dundee, Scot. Bot.: Plant and Veg. Physiol., Meteo.*
Herdman, Wm., F.G.S., Care of J. Backhouse & Son, The Nurseries, York. Min.
Herdman, Wm. A., Prof. Nat. Hist., University Coll., Liverpool. Zool., Gen. Biol., Morph., Invert. Anat., Histol., Moll., Radiates, especially Twinsta.

ially Tunicata.

Herschel, Prof. Alexander Stewart, M.A., D.C.L., F.R.S., F.R.A.S., Observatory House, Slough, Bucks. Ast., Phys. (Heat).

Herschel, John, Col., R.E., F.R.S., Observatory House, Slough, Bucks.

Heyes, Rev. J. F., M.A., Oxford, F.C.S., F.R.G.S., 36 Dynham Road, W., Hampstead, N.W. Inorg. Chem., Physics, Geog., Geosophy, Geog. Dist., Missionary Publications. C. Maps.*
Hicks, Henry, M.D., F.R.S., Hendon Grove, Hendon, London, N.W.

Geol.*

Hickson, S. J., M.A., D.Sc., Downing Coll., Cambridge. Zool.*

Hiern, Wm. Philip, M.A. (Cantab.), F.L.S., The Castle, Barnstable.

Bot.: Phæn. Plants.*

Hilditch, Thomas, 12 Brownsville Road, Heaton Chapel, Stockport. Inorg. Chem., Metall.

Hill, Dr. Alfred, Medical Officer of Health and City Analyst, Council

Hillier, John Masters, Ass't., Mus., Royal Gardens, Kew. Econ. Bot.*
Hillier, John Masters, Ass't., Mus., Royal Gardens, Kew. Econ. Bot.*
Hincks, Rev. Thomas, B.A. (London), F.R.S., Leigh Woods, Clifton,
Bristol. Hydroida, Polyzoa.
Hinde, George J., Ph.D., F.G.S., Ivythorn, Avondale Road, South
Croydon, Surrey. Invert., Palæo., Geol., Zool., Sponges. C.*
Hobson, Bernard, M.Sc., F.G.S., Owens Coll., Manchester. Geol.,
Petron **

Petrog.*

Hodges, John F., M.D., J.P., F.C.S., F.I.C., late Pres. of the Royal Academical Institution, Belfast, Prof. Agric. and Med. Jurisprudence, Queen's Coll., Belfast, Ireland, Gov't Analyst, Director of the Chemico-Agric'l Soc. of Ulster. Agric., Chem.*
Hogg, Jabez, M.R.C.S., Eng., F.R.M.S., 1 Bedford Sq., W.C., London. Gen. Bot., Phys., Mic., Photog., Vert. and Invert. Anat., Histol.,

Invert. C.

Hogg, Dr. Rob., F.L.S., Editor of the "Journal of Horticulture," 99 St.

George Road, Pimlico, London, S.W.

Holloway, G. T., Assoc. Roy. Coll. Soc. (Lond.), F.I.C., F.C.S., Analyt. and Consulting Chemist, 57 and 58 Chancery Lane, London. Min.,

and Consulting Chemist, of and 98 Chancery Lane, London. Men., Inorg. Chem., Metall.*

Holme, Charles, F.L.S., The Red House, Bexley Heath, Kent. Min., Crystall., Arch., Ethnol., Ent., Lepid. C. Ex.*

Holmes, Edwin, London. Ast.

Holmes, E. M., F.L.S., Curator Mus. Pharmaceutical Soc., 17 Bloomsbury Square, London, W.C. Materia Medica, Phan. and Crypt. Bot.

Will exchange Marine Algae, British and foreign, or Herbarium expanimens of medicinal plants. specimens of medicinal plants.

Holmes, W. M., Glenside, 5 St. Peters Rd., Croyden, Surrey. Sponges. Holmwood, Frederic, H.B M. Consul General, Victoria Mansions, Lon-

Holt, Ernest W. L., Marine Biol. Assoc., Plymouth. Ichthyol.*
Hooker, Sir Joseph Dalton, late Director of the R. Bot. Gardens, Kew,
The Camp, Sunningdale, Berkshire.

Hooker, R. H., Assist. Sec. of Royal Statistical Soc., 9 Adelphi Terrace, Strand, London, W.C.*

Hope, Chas. F., M.R.A.C., F.C.S., Prof., Lecturer upon Applied Agric. Sci., County Sec. Tech Education, Lindis Farm, Weymouth. Bot., Sci., County Sec. Tech Education, Lindis Farm, Weymouth. Bot., Geol., Chem., Physics, Mic., Photog., Gen. Biol., Emb., Anat., Spec: Analysis of soils and cattle foods. C. Ex.*

Hopkinson, John, F.L.S., F.G.S., F.R. Meteo. Soc., F.R.M.S., The Grange, St. Albans. L. and F. W. Moll., Geol., Meteo., Water supply.*

Horn, Rev. James, F.R.M.S., 16 Louis St., Chapeltown Road, Leeds. Desmids, Viatoms, Mic., Lehthyol.

Horne, John, F.R.S.E., Geol Survey Office, Edinburgh, Scotland Geol. Howard, George, 21 Boston Castle Grove, Rotherham. Mic., Photog., Zool., Gen. Biol. C. Ex.*

Howard, J. L., D.Sc., Univ. Coll., Liverpool. Phys., Math., Chem. Howes, G. B., Asst. Prof. Zool., R. College of Sci., S. Kensington, Lon-

don, S.W. Morph., Vert. Anat. C. Ex.
Howse, Richard, The Museum, Newcastle-on-Tyne. Geol., Palæo.
Hoyle, William E., M.A., M.R.C.S., Owens Coll., Manchester. Osteol.,

Hoyle, William E., M.A., M.R.C.S., Owens Coll., Manchester. Osteol., Cephalopoda, Pentastomida.*
Hudleston, Wilfrid H., 8 Stanhope Gardens, London, S.W. Geol., Min.*
Hudson, Chas. T., LL.D., F.R.S., Lamorna, Dawlish. Rotifera.
Hudson, W. H. H., M.A., LL.M., Camb., Fellow and Prof. of Math., King's College, London, W.C. Math., Phys.
Huggins, Wm., D.C.L. (Oxon.), LL.D. (Cantab., Edin. et Dubl.), Ph.D., F.R.S., Hon. F.R.S.E., F.R.A.S., 90 Upper Tulse-hill and Athenæum Club, S.W., London. Phys., Ast.*
Hughes, Thomas McKenny, M.A., F.R.S., F.S.A., F.G.S., Woodwardian Prof. Geol., Univ. Cambridge, Trinity College, Cambridge.
Hulke, John W., F.R.S., F.R.C.S. Eng., F.G.S., Soc. Phil. Cantab., Sec. to the Royal Lond. Ophthalmic Hospital, Surgeon to the Middlesex Hospital and Consulting Surgeon. 110 Old Burlington St., London.

Hospital and Consulting Surgeon, 110 Old Burlington St., London, W. Fossil Reptiles.

Humphreys, John, F.L.S., L.D.S.I., 22 Newhall St., Birmingham.

Paleo., Mammals.*

Hungerford, Dr. S. G., H.B.M. Army, 117 The Grove, Hammersmith,
London, W. Moll.

Hunter, James, F.R.C.S.E., Lect. Physiol., School of Medicine, Edin-

burgh, Scotland. Hunter, John, F.I.C., F.C.S., F.R.P.S., Lecturer on Agric'l Chem., Ed-

inburgh Agric. Curriculum, Mint House Medical School, Edinburgh, Scotland. Chem. Org. and Inorg., Mic., Soil Bacteriol. C.*
Hurst, John Thomas, Civil Engineer, Raymond Villa, Geraldine Road,
Wandsworth, London. Fungi, Geol., Phys., Mic., Gen. Biol.,

Emb., Protozoa.

Hutcheson, John C., 8 Lansdowne Crescent, Glasgow, Scotland. Mic. Hutton, E. A., M.A., F.R.M.S., Mottram-in-Longdendale, N. Bot., Mic., Biol., Histol., Protozoa. C.*

Huxley, T. H., The Rt. Hon., P.C., F.R.S., Dean of the Royal Coll. of Science, South Kensington, London.*

Science, South Kensington, London.*
Isherwood, Thomas, B.A., F.C.S., Univ. School, Southport.
Jack, James, F.L.S., 102 High St., Arbroath, Scotland. Algæ. C. Ex.*
Jackson, Charles L., M. Inst. C.E., F.L.S., F.R.M.S., F.Z.S., Pres. of
Bolton Mic. Soc., Hillfold, Bolton. Palæo., Mic., Zool., Emb.,
lchth., Ent., Crustacea, Moll., Radiates, Sponges, Protozoa.

Jackson, John R., A.L.S., Curator of the Museums, Museum Royal
Gardens, Kew. Econ. Bot.*

Jackson, W. Hatchett, M.A., F.L.S., Pen Wartha, Weston Super Mare,
and Keeble Coll., Oxford. Mic., Zool., Gen. Biol., Morph., Emb.

and Keeble Coll., Oxford. Mic., Zool., Gen. Biol., Morph., Emb.,

Invert. Anat., Ent., Protozoa.

Janson, Oliver E., 22 Perth Road, Stroud Green, London, N. Ent., Spec. Coleopt-Cetonida.*

Japp, Francis R., LL.D., F.R.S., Prof. Chem., University Aberdeen, Scotland. Org. Chem.*

Jelly, Miss E. C., F.R.M.S., London, Hatchlands, Red Hill, Surrey.

Bryozoa, recent and fossil. C. Ex.

Jenner, J. H. A., 4 East St., Lewes. Ent. Dipt.

Jennings, A. Vaughan, Demonstrator in Geol., Science School, London,
Lecturer on Comp. Anat., Birkbeck Inst., Science School, So. Kensington, London, S.W. Bot., Palæo, Geol., Zool., Biol.

Jevine, R. Royston, Granton, Scotland. Oceanography.

Johnson, Alice, Llandaff House, Cambridge. Morph., Emb., Anat.

Johnson, R. C., F.R.A.S., 46 Jermyn St., Liverpool. Ast.*

Johnson, T., D. Sc., F.L.S., Royal Coll. of Science, Stephen's Green,

Dublin, Ireland. Bot.

Johnson, Rev. William, F.L.S., 21 Wesley Crescent, Shildon, via Darlington. Bot: Lichens, Alga.*
Johnston, Etta I., Bot. Studio, Univ. Coll., Dundee, Scotland. Dist. of

Plants.

Jolliffe, Chas. H., Scientific Brewer, St. Ann's, St. Helen's, Lancashire. Org. Chem., Mic., Photog., Meteo.*

Jones, John Viriamu, M.A. (Oxon.), B.Sc. (Lond.), Prin. Univ. College of S. Wales and Monmouthshire, Cardiff, S. Wales. *Phys., Elect.** Jones, Thomas Rupert, F.R.S., F.G.S., 70 Uverdale Road, King's Road,

Chelsea, London, S.W. Palæo., Geol., Anth., Arch., Crustacea, Protozoa.*

Judd, J. W., F.R.S., Prof. of Geol., Royal School of Mines, S. Kew, London. Geol.

Julio, Guardia, F.R.M.S., Helston House, Royal Road, Clapham, London, S W. Bot: Phan. Plants, Mic., Photog., Herpetol.

Justen, F., F.L.S., 37 Soho Sq., London. Buys all new works on Nat.

Justen, F., F.L.S.. 37 Soho Sq., London. Buys all new works on Nat. Hist. (especially Botany), in any language.*
Kaines, J., M.A., D.Sc., F.S.Sc., 8 Osborne Road, Finsbury Park, London, N. Anth., and Positivism.*
Kane, W. F. De Vismes, M.R.I.A., F.E.S., Drumreaske, Monaghan, Ireland. Mic., Zool., Geog. Dist., Arch., Orn., Ent., Lepid. C.
Kappel, A. W., F.L.S., F.E.S., Asst. Librarian Linnæan Soc., Burlington House, Piccadilly, London, W., and 5 Burlington Gardens, Chiswick, London, W. Ent.*
Keeping, H., Woodwardian Mus., Cambridge. Geol.*
Kent. Adolphus Henry, A.L.S., F.R.H.S., 544 Kings Road, Chelsea.

Kent, Adolphus Henry, A L.S., F.R.H.S., 544 Kings Road, Chelsea, London, S.W., Orchideæ, Coniferæ.*

Kenward, T., F.S.A., 208 Hagley Road, Birmingham. Antiquities, Welsh and English.

Kermode, P. M. C., Advocate, M.B.O.U., M.I.P.O.C., F.S.A., Scot., Hillside, Ramsey, Isle of Man. Gen. Bot., Geog. Dist., Anth., Arch., Orn.

Kew, H. Wallis, F.Z.S., F.E.S., 5 Giesbach Road, Upper Holloway, London, N. Zool., Ent., Moll.*

don, N. Zool., Ent., Moll.*

Keys, James H., 7 Whimple St., Plymonth. Coleopt. C. Ex.*

Kinahan, G. H., C.E., M.R.I.A., F.R.G.S.I., Geological Survey of Ireland, Ireland Geol., Anth., Arch., Eth.

Kinch, Edward, F.I.C., F.C.S., etc., Prof. Chem., Royal Agric. Coll., Cirencester. Min., Agric. Chem. C.

King, Falconer, F.I.C., Analyst to City of Edinburgh, School of Medicine, Edinburgh, Scotland. Chem., Mic.

King, James J. F. X., F.E.S., 207 Sauchiehall St., Glasgow, Scotland. Lepid., Neuropt., Coleopt.*

King, Thos., Prof. of Bot., Anderson's College, 110 Hill St., Garnethill, Glasgow, Scotland. Rot.

Glasgow, Scotland. Bot.

Kingsley, Mrs. Chas., Fachbrook Mallory, Leamington. Hort.

Kirby, W. F., F.L.S., F.E.S., Ass't in Zoological Dept., British Museum, So. Kensington, London, S.W., 5 Burlington Gardens, Chiswick, London, W. Ent.*

Kirk, Sir John, G.C.M.G., K.C.B., F.R.S., Sevenoaks, Kent. Phan. Bot., Photog., Zool., Gen. Biol., Geog. Dist., Morph., Orn.

Kirkby, Wm., Fellow of the Linnæan Soc., Fellow of the Royal Micro-

scopical Soc., 113 Market St., Manchester. Mic., Histol. Kirkpatrick, R., British Museum, N.H., Cromwell Road, London, S.W. Polyzoa, Hydrozoa,*

Kitchener, Francis E., Oulton Hall, Stone, Staff. Bot: Phan. and Crypt. Plants.*

Kitching, John, Branksome Hall, near Darlington. Bot., Hort., Phys., Zool., Ent.

Klein, E., Lecturer on Gen. Anat. and Physiol., Med. Sch. St. Bartholo-

mew's Hospital, London. Vert., Morph., Histol.
Klein, Sydney T., R.I., F.L.S., F.R.A.S., F.E.S., F. Ast. Soc. of Pacific Geol. Assoc., Middlesex Nat. Hist. and Sci. Soc. etc., etc., Stanmore Observatory, Great Stanmore, Middlesex.

Knight, G. A. Frank, M.A., M.C.S., Rosenlaui, Bearsden, Glasgow, Scot-

land. Mollusks.*

Lake, P., M.A., F.G.S., St. John's College, Cambridge. Geol.*

Lambert, Rev. Willis F. A., M.A., F.L S., F.R.G.S., Peterchurch Vicarage, Herefordshire. Algx. Langley, J. N., M.A., F.R.S., Trinity College, Cambridge. *Physiol.*,

Histol.

Langton, Herbert, M.R.C.S., Eng., M.B.O.U., 11 Marlborough Place, Brighton. Vert. Palæo., Vert. Anat., Orn., Ool., Tax. C. Ex. Lankester, E. Ray., M.A., LL.D., F.R.S., Prof. Comp. Anat., Univ. Mus., Oxford. Vert. Palæo., Mic., Gen. Biol., Morph., Emb., Anat., Osteol., Histol., Worms, Sponges, Protozoa.

Lapraik, Wm., F.C.S., F.I.C., Lecturer on Metall. and Chem. at the Na-

tional Dental Hospital, Great Portland St., London, W.*
Latham, W. B., Curator of Botanic Gardens, Edgarston, Birmingham.

Bot: Phæn. and Crypt. Plants, Ferns. Law, F. T., 254 Kentish Town Rd., London, N. W. Bot., Geol., Mic., Photog., Ent., Sponges.

Lawrence, Geo. F., 55 High St., Wandsworth, London, S.W. Anth..

Lawton, William, 29 Victoria St., Derringham, Hull. Ast., Meteo. C.* Layard, Edgar Leopold, C.M.G., F.Z.S., "Otterbonrne," Budleigh, Saltterton, Devonshire. L. and F. W. Shells. C. Ex.*

Layton, C. E., 56 Farrinton St., London. Phys., Mic. Learoyd, Samuel, Pres. Huddersfield Literary and Sci. Soc., F.G.S., Sherwood House, Huddersfield. Min., Precious Stones, Shell and Sherwood House, Huddersheld. Min., Precous Stones, Shell and Stone Cameos, Agates, Pearls, Pearl bearing Shells, Con. C. Ex.*
Lees, Edw. B., Lieut. Col., B.A., Thurland Castle, Kirkby, Lonsdale. Bot., Orn., Ool., Ichth., Ent.*
Leipner, Prof. Adolph, Hampton Park, Bristol. Bot.*

Levick, John, Livingstone Rd., Handsworth, Birmingham. Mic., Gen. Biol., Protozoa, Infusoria.*
Lewis, Richard T., F.R.M.S., etc., 4 Lyndhurst Villas, The Park, Ealing, London, W. Mic., Ent., Hemipt., Orthopt., Arach. C. Ex.*
Ley, Rev. A., M.A., Sellack Vicarage, Ross, Herefordshire. Bot.
Leyland, J. & Son, Richmond St., Liverpool. Tax.*
Lifford, The Lord, Lifford Hall, Oundle, Norths. Orn.
Lillar, Boni, Prof. Cham. and Mic. Paylocauch, East, Manney and Mic.

Lilley, L. Benj., Prof. Chem. and Mic., Roxborough Park, Harrow-on-the-Hill, Middlesex. *Chem.*, Mic. C. Lindley, Wm., 74 Shootershill Road, Blackheath, S.E.*

Lindsay, Robt., F.R.H.S., Curator Royal Bot. Gardens, Edinburgh, Scotland.

Linter, Miss J. E., Arragon Gloss, Twickenham. Con. C.
Linton, Edw. F., M.A., Oxon., Crymlyn, Bournemouth. Phanerogams
(European), Ast. C.*
Linton, William Richardson, M.A., Shirley, Derby. Phæn. Plants, Ferns.
C. Ex. (European).

Lister, Arthur, F.L.S., Leytonstone, Essex. Bot. (Mycetozoa). Lister, J. J., St. John's Coll., Cambridge. Zool.

Liveing, George Downing, M.A., Prof. Chem., Newnham, Cambridge.* Lodge, Oliver Joseph, D.Sc., F.R.S., Prof. Phys., University Coll. Liverpool, 2 Grove Park, Liverpool. Phys., Elect., Chem., Ast.* Lomax, A. E., 56 Vauxhall Road, Liverpool. Bot. C. Ex. European

wild plants for those of U. S., Asia, Australia and South America.*

Long, Harry Alfred, 52 Jane St., Blythswood Sq., Glasgow, Scotland.

Educationalist.*

Longstaff, G. B., M.A., M.D., F.R.C.P., Highlands, Putney Heath, London, S.W. Bot., Chem., Lepid. C.
Lovibond, Thos. W., F.I.C., F.C.S., The Tyne Brewery, Newcastle-on-Tyne. Chem., Mic.*
Lowne, Benj. T., Lect. on Physiol., Middlesex Hosp. Med. School, 18 St. Quintin Ave., N. Kensington, London, W. Gen. Biol., Emb., Histol.,

Physiol.

Lubbock, The Rt. Hon. Sir John, M.P., F.R S., D.C.L., LL.D., High Elms, Down, Kent. Gen. Ent , Hymenopt., Formicida, Arch.*

Lukis, Capt. F. D., The Grange, Guernsey. Arch., Geol. Lynch, R. Irwin, A.L.S., Curator of the Botanic Garden, Cambridge.*

Lynn, William T., B.A., F.R.A.S., Blackheath, S.E., Ast.
Lyon, James, Prof. of Eng. (M.A., Clare Coll., Cambridge), Royal Coll.
of Sci., Stephen's Green, Dublin, Ireland. Elect., Photog.*

Macadam, W. Ivison, F.R.S.E., F.C.S., F.I.C., etc., Surgeon's Hall,
Prof. Chem., New Veterinary College, Edinburgh, Scotland.
Chem., Geol., Agric. C.*

Mac Alister, Donald, M.A., B D., B.Sc., St. John's College, Cambridge.

MacAister, Donald, M.A., B.D., R.Sc., St. John's College, Cambridge.

Math., Physics, Physiol., Pathol.

Macdonald, J. D., M.D., F.R.S., 81 Messina Ave., W. Hampstead, N.W.

Bot., Invert.

Mackay, Donald, Portnacon, Durness, Scotland. Bot., Geol., Zool.,

Geog. Dist., Ichth. C.

Maclaine, M. G., Lochbine, Isle of Mull, Scotland. Geol., Min., Zool.,

Orn., Ichth. C. Ex*

MacMunn, Chas. Alexander, M.A., M.D., F.C.S., F.R.M.S., Oakleigh, Wolverhampton. Biological and Medical Applications of Spectro-

scope, Physiol., Chem., Zool., Bot., Comp. Physiol.*
Magnus, Sir Philip, B.Sc., B.A., City and Guilds of London Inst., Exhibition Road, London, S.W.

Mallet, F. R., Superintendent, Geological Survey of India (Retired), 18,

The Common, Ealing, London, W. Geol., Min.*

Malley, Dr. A. C., B.A., M.B., B.C.L., F.C.D., F.R.M.S., Munslow, Craven Arms, Salop. Diatoms, Mic., Photog., Gen. Biol., Histol.,

Pathol. C.*

Mapother, E. D., M.D., 32 Cavendish Square, London. Fungi, Chem.

Mapplebeck, John E., F.L.S., F.R.H.S., Bronddwynant, W. Dolgelley, North Wales. Bot., Ferns. C. Ferns.

Markby, J. R., 7 University St., London, W. C. Geol. Marquand, E. D., Fermaine House, Guernsey. Bot. C.

Marr, Thos. R., Univ. Coll., Dundee, Scotland. Syst. and Physiol. Bot.

(Cryptogamia), Hort.*

Marriott, William, Ass't Sec. Royal Meteo. Soc., 22 Great George St., Westminster, S.W. Meteo.*

Marsden, H. W., 21 New Bond St., Bath. British, European and Exotic Bird Skins and Eggs, Lepid., Coleopt., Orthopt., Naturalist's Apparatus and Books of all kinds. C.*

Marsh, J. E., M.A., Univ. Mus., Oxford.*
Marshall, A. Milnes, Prof. Zool., Owens Coll. Manchester.*
Marshall, Rev. E. S., M.A., F.L.S., Milford Vicarage, Godalming. Bot: Phan. Plants, Ferns. C. Ex.

Marshall, W. P., M. Inst. C.E., Richmond Hill, Birmingham. Mic.*

Marth, A., Markree Colloony, Ireland. Ast.

Martin, Richard Biddulph, M.A., M.P., Fellow and Late Pres. Inst. of
Bankers, F.R.G.S., F.A.I., J. P. (Kent), 10 Hill St., W., London and Chiselhurst. Anth.* Martindale, G. E., Liverpool College, Shaw St., Liverpool. Desires to

exchange. Martindale, Joseph Anthony, Danes Road, Stavely, Kendall. Lichens. Mason, Philip B., Burton-on-Trent. Brit. Zool. and Bot.

Masters, Maxwell T., Cor. of the Inst. France, M.D., F.R.S., Mount Ave., Ealing. Bot., Hort.* Maunder, E. W., F.R.A.S., Asst. Supt. Physical Dept., Royal Obs.,

Greenwich, London, S.E., Editor "Journal," Brit. Ast. Assoc.

Maw, W. H., 18 Addison Road, Kensington, W. Ast.

Mawley, Edward, Rosebank, Berkhamsted, Herts. Meteo.*

Maxwell, Theodore, M.D., B.Sc., 29 Woolwich Common, London. Philology, Photog., Phys.*

 Mayall, J., Jr., Sec. Royal Mic. Soc., 224 Regent St., London. Mic.*
 McAlpine, A. N., B.Sc. (Lond.), Mints House Medical Sch., Edinburgh, Scotland. Bot., Soil Bacteriol. Lecturer Agric. Bot., Edinburgh Agrie, Curric, McArthur, John, F.R.S.E., F.C.S., Belmont Works, Battersea, London.

S.W. Org. and Inorg. Chem. McDakin, Gordon, Captain (Retired) Black Watch, 15 Esplanade, Dover. Bot., Ferns, Mosses, Fungi, Palao., Geol., Chem., Metall., Elect.,

Mic., Photog., Meteo. C.* McIntosh, Prof. W. C., M.D., LL.D., F.R.S., 2 Abbotsford Crescent, St. Andrews, Scotland. Annelida, Development and Life Histories of the Food Fishes, Marine Zool.

McKenzie, Alex., B.Sc., University, St. Andrews, Scotland. Chem. McLachlan, Robert, F.R.S., Westview, Clarendon Road, Lewisham, London, S.E.

Medwin, A. George, M.D., L.R.C.P., Lond., F.L.S., F.Z.S., M.R.C.S., L.D.S., etc., 34 Bruton St., Berkeley Sq., London, W. Bot., Ent.* Meek, Alexander, B.Sc., F.Z.S., British Linen Co.'s Bank Buildings,

Dundee, Scotland. Zool., Gen. Biol., Morphol., Vert., Invert. Anat., Bot. C.*

Meiklejohn, John William Sinclair, M.D., R.N., F.L.S., 105 Holland Road, Kensington, W., London. Phæn. Plants, Ferns, Algæ, Vert. Palæo., Orn., Ool., Lepid., Crust., Moll. C.*
Melliss, John Charles, F.G.S., F.L.S., Mem. Inst. C.E., Author of "Purification of Water-carried Sewage," "St. Helena, an Account of the Nat. Hist. of the Island," etc., 232 Gresham House, Old Broad St., London, E.C.*
Melvill, L. Cosmo, A.M. E.L.S., F.E.S., Kensel Cottons, Prostraich also

Melvill, J. Cosmo, A.M., F.L.S., F.E.S., Kersal Cottage, Prestwich, also care of Messrs. G. and R. Dewhurst, Manchester. Bot : Phan and Crypt. Plants, Ferns, Mosses, Fungi, Algæ, Photog., Geog. Dist.; Ent: Lepid., Coleopt., Moll. C.* Merchant, W. Lawton, 29 Victoria St., Derringham, Hull.*

Merivale, Prof. John Herman, M.A., Durham College of Sci., Newcastle-

on-Tyne. Mining.*

Meyer-Darcis, Georges, Emdsleigh, 5 Highfield Hill, Upper Norwood, London, S.E. C. Ex. Buprestidæ.

Miall, Louis Cornplou, F.L.S., Prof. Biol., 5 Montpellier Terrace, Cliff-

road, Leeds. Ganoids, Anat. Michael, A. D., F.L.S., F.Z.S., F.R.M.S., 9 Cadogan Mansions, Sloane Sq., London. Acarina. C.

Michael, Mrs. Helen Abbott, Torwood, Bonchurch, Isle of Wight. Plant

Chem. C. Ex.*

Miers, Henry A., M.A., F.G.S., F.C.S., Nat. Hist. Mus., S. Kensington, London. Min., Crystall., Lithol.*

Millais, John G., F.Z.S.L., Lieut. Seaforth Highlanders, Barracks, Cork, Ireland. Zool., Orn. C.

Milliagan, Seton, M.R.I.A., F.R.S.A. (Ireland), 1 Royal Terrace, Belfast.

Irish Antiq.

Mills, F. W., F.R M.S., Thornleigh, Huddersfield. Bot: Crypt. Plants, Diatoms, Mic. C. Ex.*

1. Henricita St., W.C., London,

Ast.

Milne, G. A., 24 New Queen St., Scarborough, Yorkshire. Org. and Inorg. Chem., Elect., Mic.

Mitchell, Sir Arthur, K.C.B., M.D., LL.D., 34 Drummond Place, Edinburgh, Scotland. Meteo., Anth., Arch.*

Mitchell, Fred. S., Hornshaws, Clitheroe, Lancashire. Orn., Ool.

Mitchell, Ray, Hugh, L.D., F. Ch. Montes Chair. Montrees. Cool.

Mitchell, Rev. Hugh, LL.D., F. Ch. Manse, Craig, Montrose. Geol., Palæo.

Mitchell, John, B.D., F.R.A.S., 57 Parkgate Road, Chester. Meteo., Ast. Mitchells, J.S., B.Sc., F.C.S., F.I.C., Prof. Chem., Univ., Leeds. Mitchinson, Rt. Rev. and Ven. John, D.C.L., D.D., Sibson Rectory, near

Atherstone, Warwickshire. Bot., Geol.*
Mivart, St George, Ph.D., M.D., F.R.S., Hurstcote, Chilworth, Surrey.
Bot., Zool., Morph., Emb., Vert. Anat., Mammals, Herpetol.,
Osteol., Myol.

Monck, W. H. Stanley, M.A., B L., Late Prof. of Moral Philosophy, T.C.D., 16 Earlsfort Terrace, Dublin, Ireland. Palæo., Strat. and

Moody, G. T., D.Sc. (Lond.), F.I.C., F.C.S., 18 Therapia Road, Honor Oak, London, S.E. Strat. and Phys. Geol., Min., Crystall., Org. and Inorg. Chem. C. Ex.

Moore Bros., 49 Hardman St., Liverpool, Osteologists and Taxidermists.

Disarticulated, Mounted Skulls, Skeletons, Limbs, and Crustacea a

specialty.

Moore, F. W, Royal Botanical Gardens, Glasneven, Co. Dublin, Ireland,

Eot., Hort.

Moore, Henry Cecil, Surgeon, 26 Broad St., Hereford. Bot: Phan. and Crypt. Plants, Ferns, Mosses, Fungi, Lichens, Alga, Geol., Lithol.*

 Moore, Spencer Le M., B.Sc., F.L.S., Sunnydene, Eastbourne, Sussex.
 Bot: Phæn. and Crypt. Plants, Gen. Biol.*
 More, Alex. G., F.L.S., F.R.S.E., M.R.I.A., 74 Leinster Road, Dublin, Ex-Curator of the Nat. Hist. Mus. in the Sci. and Art Mus., Dublin, Ireland. Orn., Brit. Bot.*

Morison, Bruce, F.R.G.S., F.R.H.S., F.Z.S., F.I.Inst., 20 Clanricarde Gardens, London, W. Zool.*

Morris, D., M.A., F.L.S., Ass't Dir. Royal Botanic Gardens, Kew.*

Morriss, Fred. W., Cambridge House, Widcombe Hill, Bath. Mic., Bibliog., Arch., Philol.*

Morton, George H., F.G.S., 209 Edge Lane, Liverpool. Invert. Palæo., Geol., Min., Lithol. C.*

Mott, A. J., F.G.S., Detmore, Charlton Kings, Cheltenham. Geog. Statistics

Statistics.

Mott, Frederick T., F.R.G.S., Birstal Hill, Leicester. Phan. and Crypt. Bot., Edible Fruits. C. Ex. Desires information about all edible fruits which are unknown in England. Also correspondence on the working of museums, large or small.*

Muir, Rev. John J, Waterloo, Liverpool. Bot., Zool.

Muirhead, Henry, M.D., LL.D., F.F.P.S.G., Bushy Hill, Cambuslang, Lanarkshire, Scotland. Psychol. and Phys. Philol.

Müller, Prof. G., Oxford.

Mummery, John H., 10 Cavendish Place, London, W. Mic., Photog., Histol.*

Munro, John M. H., D.Sc., Prof. Chem., Downton Coll. of Agric., Churchfields, Salisbury. Min., Chem., Mic., Photog., Bacteriol., Soil Microbes.

Munro, Rev. Robert, M.A., B.D., F.R.S.E., F.S.A., Old Kilpatrick, Dunbartonshire, Scotland. Palæo., Geol., Anth., Arch., Philol.*
 Murray, G. R. M., F.L.S., British Museum, S. Kensington, London.

Cryptogams.*

Murray, John, Dir. and Editor Challenger Expedition Reports, Challenger Office, Edinburgh, Scotland. Oceanography, Deep-Sea Deposits, Marine Zool.

Napier of Magdala, Robt., Lord, Field Marshal, G.C.B., G.C.S.I, 38

Cornwall-gardens, South Kensington, London, S.W.

Narramore, Wm., F.L.S., 5 Geneva Road, Elm Park, Liverpool. Crypt. Plants, Ferns, Mosses, Fungi, Lichens, Alga, Desmids, Mic., Gen. Biol., Histol.

Nelson, T. H., Sandringham House, Redcar, Yorks. Zool., Orn. C. Ex.*

Neve, Chas. E., Bethnall House, London, E. Biol.

Neve, J. R., Campden, Gloucestershire. Bot.
Nevins, Dr. John Birkbeck, 3 Abercromby Sq., Liverpool. Bot., Sanitary
Statistics, Rotatory Storms in British Isles and Voyages in Hudson
Bay, Recent Locust Plagues in Cyprus and U.S. A.

Nevinson, Basil Geo., Barrister, M.A., F.Z.S., F.E.S., 3 Tedworth Sq. Chelsea, London, S.W. Ent., Coleopt. C. Newton, Alfred, M.A., V.P.R.S., V.P.Z.S., Prof. Zool., Univ., of Cam-

bridge, Magdalene Coll., Cambridge.

Newton, Edwin Tulley, Palæontologist to H. M. Geol. Survey, Museum,

Jermyn St., London, S. W.

Newton, Richard Bullen, F.G.S., British (Natural History) Museum,
Cromwell Road, South Kensington, London, S.W. Invert. Palæo.

Newton, Wm., Ph.D., F.I.C., F.C.S., Analyst and Consulting Chemist,
39 Mineing Lane, London, E.C., Min., Org. and Inorg. Chem.,

Metall., Phys.* Nichols, A. R., B.A., M.R.I.A., Science and Art Dept., Dublin, Ireland.

Geol., Zool., Invert. Anat., Moll.

Nicholson, George, Cur. Royal Bot. Gardens, Kew, London, W.

Nicholson, H. Alleyne, Regius Prof. Nat. Hist., Univ., Aberdeen, Scot-

 Note, Hest., Palæo.
 Noble, Capt. W., J.P., F.R.A.S., F.R.M.S., Vice-Pres. and ex-Pres. of the British Ast. Assoc., Hon. Assoc. Liverpool Ast. Soc., 1lon. Memb. Trinity Hist. Soc., Dallas, Tex., U.S. A., etc., etc., Forest Lodge, Maresfield, Uckfield, Sussex. Palæo., Geol., Mic., Photog., Ast.*

Noel. Chas. W. F., Earl of Gainsborough, B.O.U., Exeter Park, Oakham.

Bot., Hort. Orn., Ool., Tax.

Norman, Rev. Dr. Alfred M., M.A., D.C.L., F.R.S., F.L.S., etc., Rectory Burnmoor, Fence Houses, Co. Durham. Myriop., Crustacea, Worms, Moll., Rudiates, Sponges, Protozoa. C. Ex. Arctic Pacific Invert. and Marine Mollusca of N. E. America in ex. for other Marine Invert.*

Norris, Richard, M.D., Birchfield, Birmingham. *Physiol.* Obach, Engene F. A., Ph.D., F. I. C., F.C.S., 2 Victoria Road, Old Charlton, Kent. Gen. Chem., Phys., Elect. C. of books and pamphlets on Chem.*

O'Hara, Richard, Lieut. Colonel, late Royal Artillery, West Lodge, Galway, Ireland. Diatoms, Mic., Photog. O Keeffe, Cornelius, F.C.S., F.I.C., Garryhesta House, Farran, Co. Cork,

Ireland. Chem.

Oldroyd, M. A., Abbey St., Faversham, Kent. Geol., Arch., Moll. C. Oliver, Daniel, Prof. Bot., Univ. Coll., London, Royal Gardens, Kew. Oliver, F. W., Prof. Bot., Univ. Coll., London, 10 Kew Gardens Road,

Kew, London. Bot. Ord, Geo. W., Assist, Kelvingrove Mus., 21 Kennedy St., Glasgow, Scotland. Bot., Ent. C.*
O'Reilly, Prof. Jos. P., Royal College of Science, Dublin, Ireland.

Mining and Min.

Ormerod, Miss Eleanor A., F.R. Met. Soc., F.E.S., Late Consulting Ent., Royal Agric'l Soc. of England, Torrington House, St. Albans. Econ. Ent.*

Osborne, John Allen, M.D., J.P., Milford, Letterkenny, Co. Donegal, Ireland. Gen. Biol., Emb. of Invert., Ent: Coleopt.*

Painter, William Hunt, Knypersley Hall, near Congleton. Bot: Phan.

and Crypt. Plants, Invert.

Palmer, Henry, F.R.M.S., F.I. Inst., London, etc., etc., M.E., The Manor House, Ferry Hill. Elect., Mic., Photog., Mining.*

Parfitt, E., Devon and Exeter Inst., Exeter. Ent., Zool., Bot.

Parke, George Henry, F.L.S., F G.S., College Grove, Wakefield, York-Recent and Fossil Moll. and Echinoderms. C. Ex. British for foreign spec.

Parker, R. H., F.C.S., Pharmaceutical Chemist, 35 Clifton Road, Maida Vale, London, W. Bot., Phan. Plants, Diatoms, Inorg. Chem., Mic. C. Ex.*

Parker, T., 45 Lower Mosley St., Manchester, and 2 East Hill St., Greengate St., Oldham. Palæo.

Parker, Thos. Jeffrey, care of Mr. E. Petherick, 17 Warwick Sq., Paternoster Row, London. Sharks, Crustacea, Anat., etc., etc.

Parker, Wm. Kitchen Crowland, Trinity Road, Upper Tooting, S.W.,

London. Morph., Vert., Skulls.

Parker, Prof. W. N., Ph.D., F.Z.S, Univ. College, Cardiff, S. Wales.

Zool.

Paterson, A. M., Prof. Anat., Univ. Coll., Dundee, Scotland.* Paton, D. Noël, M.D., F.R.C.P.E., Lect. Physiol., School of Medicine, Super. of the Research Lab. of the Royal Coll. of Physicians, Edinburgh, Scotland.*

Paton, James, F.L.S., Supt. Mus and Galleries, Glasgow, Kelvingrove Mus., Glasgow, Scotland. Bot., Chem.*
Patterson, Robert, M.B.O.U., 57 High St., Belfast, Ireland. Zool., Vert.,

Mammals, Orn., Ool. C. Ex. Patterson, R. Lloyd, F.L.S., M.B.O.U., Belfast, Ireland. Orn.

Pattinson, J. & H. S, 75, The Side, Newcastle-on-Tyne. Analyt. Chemists *

Pavy, Frederick W., M.D., LL.D., F.R.S., Formerly Lect. on Physiol., Comp. Anat. and Zool., Guy's Hospital, 35 Grosvenor Street, Lon-

Paxton, Dr. F. V., Pallant, Chichester. *Mic.*Peach, Benj. Neeve, Esq., F.R.S.E., Geol. Survey of Scotland, Geol. Surv. Office, Sheriff Court Bldgs, Edinburgh.
Peal, C. N., F.L.S., F.R.M.S., Fernhurst, Mattock Lane, Ealing, London, W. *Diatomaceæ*, Polyzoa.*

Pagence Hange FRAS FGS FLS The Limes Stourbridge, Wor-

Pearce, Horace, F.R.A.S., F.G.S., F.L.S., The Limes, Stourbridge, Worcestershire. Spec. Phan. Plants, Ferns, Archaic and Glacial Geol., Antiq., Ast., Arch. C.*

Pearson, Wm. Henry, 3 The Polygon, Eccles, Manchester. Hepatica.* Peek, Cuthbert E., M.A. (Cantab.), F.S.A., Rousdon, Lyme-Regis. Meteo., Ast., Anth., Arch., Ethnol., Ethnog.
Pendlebury, Wm. H., M.A. (Oxon.), F.C.S., 6 Gladstone Terrace, Dover.

Inorg. Chem., Metall., Physics, Elect., Photog., Meteo.*

Percival, John, M.A., F.L.S, Carperby, Aysgarth, Yorkshire. Diseases of Plants.*

Petrie, Capt. Francis W. H., F.G.S., etc., Ed. Journal of Victoria Philosophical Inst. of Gt. Brit., 12 Gloucester Walk, Campden Hill, Ken-

Sophica Hist. of G. Bite, 12 Glodecster Wang Campus Tim, 22 Sington, London, W.*

Pettigrew, James Bell, M.D., Ll.D., F.R.S., Prof. Med. and Anat., Univ. of St. Andrew, Scotland. Anat., Physiol., Physics.

Phillips W. H., F.R.H.S., Holywood, Co. Down, Ireland. Ferns.

Pickering, Percival Spencer U., M. A., F.R.S., 48 Bryanston Sq., Lon-

don.

Pidgeon, Daniel, C.E., F.G.S., "The Long House," Letherhead, Surrey.
 Geol., Gen. Biol., Geog. Dist., Morphol., Emb. C. Shells. Ex.*
 Pilley, John I., Ph.D., LL.D., F.E.I.S., F.C.S., F.R.M.S., Lecturer on the control of the

Chem., Dulwich, London, S.E. Org. and Inorg. Chem., Gen. Biol., Vert. and Invert. Anat. C. Ex.*
Pim, Greenwood, M.A., T.C.D., F.L.S., M.R.I.A., Easton Lodge, Monkstown Co., Dublin, Ireland. Bot., Crypt. Plants, Hort., Mic., Photog.*
Piper, George H., F.G.S., Court House, Ledbury, Herefordshire. Geol., Palæo., Arch. C.*

Pitt, John Marsh, Shamrock Villa, Mitcham, Surrey. Bot., Phys., Mic.,

Meteo., Ast., Anth. C. Ex.* Plowman, Thomas, Nystuen Lodge, Bycullah Park, Enfield, London, N.

Vert., Invert., Mic., Zool., Gen. Biol., Morph., Emb., Histol.
Plowright, Ch. B., M.D., 7 King Street, King's-Lynn, Norfolk. Mycol.*
Pocklington, Henry, F.R.M.S., Memb. British Assoc'n, etc., 20 Park
Row, Leeds. Phan. Plants, Phys., Mic., Photog. C.*
Poland, John, F.R.C.S., Eng., F.L.S., 4 St. Thomas's St., London Bridge,

London, S.E.*

Pole, William, F.R.S., Athenæum Club, London, S.W. Mech. Science.
Pope, James T., 2 Bridaig Ave., Dingwall, Scotland. Ast.*
Potter, Michael C., M.A., F.L.S., Prof Bot., Durham Coll. of Sci., Newcastle-on-Tyne. Bot., Gen. Biol.*
Poulton. Edw. B., F.R.S., Wykeham House, Oxford. Morphol., Emb., Mammals, Histol., Ent., Lepid. Desires eggs or living pupæ of Ceratonia quadricornis.

Praeger, R. Lloyd, B.E., M.R.I.A., Holywood, Co. Down, Ireland. Bot., Ferns, Ool., Mollusks. C. Ex. Preston, Rev. T. A., M.A., Thurcaston Rectory, Leicester. Ent., Bot.,

Meteo.* Prestwich, Joseph, M.A., LL.D., F.R.S., etc., Shoreham, near Sevenoaks,

Kent. Geol. (Quarternary and Tertiary).

Pridham, Wippell, P. H., I.L.M., B.A. (Camb.), F.Z.S., Goldsmith Bldg.,
Temple, London. Orn., Ool., Tax. C.

Prince, Prof. Edw. E., Glasgow, Scotland. Development of Fishes and

Marine Zool.

Prior, Dr. R. C.A., 48 York Terrace, London, N.W. Bot., Arch. C.* Prior, Geo. Thurland, M.A., British Museum (Nat. Hist.), South Kensington, London, S.W., Min., Inorg. Chem.

Pritchard, Rev. Chas., Oxford. Ast.

Pritchard, Ed., M. Inst. C.E., F.G.S., 2 Storcy's Gate, Westminster, and 37 Waterloo St., Birmingham. Civil and Sanitary Engineer.*

Pritchard, Urban, M.D., Prof of Aural Surgery, King's College, 3 George St., Hanover Sq., London. Histol. of Internal Ear.

Provis, Richard, Camborne, Cornwall Co. Min.

Quaritch, Bernard, 15 Piccadilly, London. Bibliog., Ethnog.* Radford, William, M.B., F.R.A.S., F.R. Meteo. S., Sidmouth. Mic.

Raine, Thomas, Oologist. Leopold St., Leeds. British Collection.

Rambant, Arthur A., Dunsinsk, Ireland. Ast. Ramsay, Alexander, Conductor Scientific Roll, 4 Cowper Road, Acton, London, W. Chem., Min., Lithol., Palæo., Phys. Geog., Meteo., Zool. Will ex. Sci. Roll with Societies and Authors for their publications.*

Ransom, Francis, Examiner to Pharmaceutical Society of Gt. Britain,

Hitchin. Bot. (Medicinal). Diatoms, Meteo. C. Ex. Ransom, Wm., F.L.S., F.S.A., F.R.H.S., etc., Fairfield, Hitchin, Herts. Bot: Crypt. Plants, Ferns, Geog. Dist., Arch. C. (Arch.)
Ransome, Arthur, M.D., M.A., F.R.S., 1 St. Peter's Sq., Manchester.
Physiol., Standard Medicine.

Ranyard, A. Cowper, Editor of "Knowledge," 11 Stone Bldg., Lincoln

Inn, W. C., London. Ast. Read, R. G. J., Cadbyrie House, Castlebar Road, Ealing, London, W Orn., Ool.

Reader, Thos. Wm., F.G.S., M.C.S., 171 Hemingford Road, Islington, London, N. Palæo., Geol., Mic., Con., Moll. C. Ex.*

Reed, F. R. Cowper, B.A., F.G.S., Asst. to the Woodwardian Prof. of Geol., Trinity Coll., Cambridge. Vert. and Invert. Palæo., Geol., Lithol. C.*

Reed, I. W., 17 Colebrook Row, Islington, N. Bot.

Reed, I. W., 17 Colebrook Row, Islington, Ool., Con., Lepid. (Papilios

a specialty).

Reeves, Walter W., F.R.M.S., 32 Geneva Road, Brixton, S.W. Bot., Phæn. and Crypt. Plants, Ferns. C. Ex. Reid, Walter F., C.E., F.I.C., F.C.S., Fieldside, Addlestone, Surrey. C.

Minerals.

Reid, William, Naturalist, Nairn, Scotland.*

Reinold, Prof. Arnold W., M.A., F.R.S., Royal Naval College, Greenwich. Phys.

Richarde-Seaver, Major F. Ignacio, F.R.S.E., F.G.S., Assoc. Inst. C.E., M.R.I., Athenœum Club, Pall Mall, London, S.W., Editor-in-chief "Journal des Mines," and 26 rue Cambon, Paris. Min., Chem., Elect., Phys.

Richards, Rev. Walter John Bruce, D.D., St. Charles' College, Notting

Hill, London. Ast. and Phys.* Richardson, Benj. Ward, M.D., LL.D., F.R.S., F.S.A., 25 Manchester

Sq., London, W. Physiol., Medicine, Org. Chem., Elect., Mic., Arch., Histol.*

Arch., Histol.*

Richardson, J., Curator of the Botanic Garden, Liverpool.

Richardson, Wm. H., F.C.S., 222 Market Place, Dudley. Bot., Org. and Inorg. Chem., Metall. Physics, Elect.

Rickards, Marcus, S.C., M.A. (Oxford), F.L.S., Twigworth Vicarage, Gloucester. Gen. Biol., Orn., Lepid.*

Rippon, Robert H. F., 4 Sidney Terrace, Jasper Road, Upper Norwood, London. Ent., Hymenopt., Lepid., Dipt., Coleopt., Hemipt., Orthopt., Neuropt., Con., Shells. C. Ex.

Rivers, Lieut.-Gen. Fox Pitt, D.C.L., F.R.S., Rushmore, Salisbury, and 4 Grosvenor Gardens, London. Govt. Inspector of Ancient Monuments in Great Britain. Pres. Anth. Inst. of Great Britain. Anth., Arch. C. Ex. Arch. C. Ex.

Roberts, George, Lofthouse, near Wakefield, Yorkshire. Phan. Bot., Geog Dist., Migration of Animals, Orn., Con., Local Antiq.* Roberts, Isaac, Starfield, Crowbury, Sussex. Ast.

Roberts, T., M.A., F.G.S., Woodwardian Museum, Cambridge. Geol., Palæo.

Palæo.
Robertson, David, F L.S., F.G.S., Fern Bank, Millport, by Glasgow, Scotland. Crustacea, Foraminifera.
Robinson, Isaac, Beninghoe, Hertford. Diatoms, Mic. C. Ex.*
Robinson-Douglas, W. D., F.L.S., F.R.G.S., F.E.S., Orchardton, Castle Douglas, Scotland. Coleopt., British and European.
Robson, John E., F.E.S., Editor "British Naturalist," 15 Northgate, Hartlepool. Ent., Lepid. C. Ex.
Rodden, R. L., Keble College, Oxford. Zool.
Rodger, Alex. M., Univ. Coll. Dundee, Scotland. Gen. Biol., Osteology.*
Rogers, Thomas, 27 Oldham Road, Manchester. Ferns, Mosses, Moll. C. Ex.
Rolfe. Robt. Allen A L.S. Asst. Royal Herbarium, Kew. Survey. Bot.

Rolfe, Robt. Allen, A.L.S., Asst. Royal Herbarium, Kew, Surrey. Bot: Orchids.

Rolleston, Geo., Oxford.
Romanes, Geo. J., M.A., LL.D., F.R.S., etc. Christ Church, Oxford.

Physiol., Psychol.*
Rorie, James, M.D., Royal Lunatic Asylum, West Green, near Liff, Dundee, Scotland. Con., Physiol., Psychol., Nat. Hist.*

Ross, Justin C., care of H. S. King & Co., 65 Cornhill, London. Palæo., Geol., Arch.

Rosse, Earl of, Birr Castle, Parsontown, Ireland. Phys., Elect., Photog.,

Rousselet, Charles, 27 Gt. Castle St., Regent St., London, W. Mic., Zool., Rotifera, Protozoa, Infusoria.*

Roy, J., LL.D., 33 Belvidere St., Aberdeen, N.B., Scotland. Desmids. Royal Microscopical Society, 20 Hanover Sq., London, W. Pres't A. D. Michael, Esq., F.L.S., Secretaries, Prof. F. Jeffrey Bell, M.A., Dr. W. H. Dallinger, F.R.S.; Treas., W. T. Suffolk, Esq., Libr. Mr. W. H. Brown.*

Rudler, Frederick William, Curator of the Museum of Practical Geology, and Hon. Dir. of the Anth. Inst. of Great Britain and Ireland, 28 Jermyn St., London, S.W. Geol., Min., Anth.

Ruffle, John, 21 Knoll Park Road, Neath, South Wales. Bot., Org. and

Inorg. Chem., Meteo., Elect., Photog. Russell, Wm. J., Ph.D., F.R.S., Past Pres. C. S., Lect. on Chem. Medieal School of St Bartholomew's Hospital, 34 Upper Hamilton Terrace, London, N.W.

Russell, Tros. D., Dealer in Fossils, Minerals and Mic. objects, 78 Newgate St., London, E.C. Palæo., Geol., Min., Lithol., Mic. C. Ex.* Sadler. Herbert, 32 Manor St., Clapham, London, S.W. Ast.* Safford, Samuel Sutherland, Parkshot, Richmond, Surrey. Genealogy

and Heraldry.

Salton, J. B., 48 Queen Anne St., London, W. Comp. Biol. Salton, John C., M.A. (Oxon.), F.L.S., New University Club, St. James Club, London, S.W. Comp. Anat., Zool.
Salvin, Osbert, M.A., 11 Chandos St., Cavendish Square, London, W. Orn.

Sander, F., Horticultural Establishment, St. Albans, Hertfordshire. Or-

chidaceæ. Sayce, Prof. A. H., Prof. of Assyriology, Queen's Coll., Oxford. Arch.

Sayvel, 1701. A. H., 1701. of Assyrlology, Queen's Coll., Oxford. Arch. Sayvell, Samuel, M.A., F.L.S., F.R.A.S., The College, Broomsgrove, Worcestershire. Bot., Ast., Zool., Arch.
Schäfer, Edward A., Prof. Physiol., University College, London. Ent. Scharff, Robert F., Ph.D., B.Sc., M.R.I.A., Keeper Nat. Hist. Mus., Department of Science and Art, Dublin. Zool., Geog. Dist.*
Schulze, Adolf P., F.R.S.E., F.R.M.S., 2 Doune Gardens, Kelvinside, Glasrow Scotland. Microscopic

Glasgow, Scotland. Microscopy.

Sclater, Philip L., Ph.D., etc., 3 Hanover Sq., W., and Odiham Priory, Winchfield.*

Sclater, Wm. Lintley, Asst. Master (Science), Eton Coll., Windsor. Zool.*

Scoweroft, Wm. R., Fern Lea, Prestwich, Manchester. Ent., Lepid. Scott, D. H., M.A., Ph.D., F.L.S., Hon. Keeper, Jodrell Lab., R. Gardens, Kent. Bot.*

Scott, Robert Henry, M.A., F.R.S., F.G.S., Secretary to the Meteo. Council, Meteorological Office, 63 Victoria St., S.W., London.

Sclater, Wm. L., Asst. Master (Sci.), Eton Coll., Windsor. Zool. Scriven, J. B., Brigade Surgeon (retired), 95 Oxford Gardens, N. Ken-

sington, London, W. Mic., Histol., Invert. Anat., Ent. C.* Seabroke, G. M., F.R.A.S., Temple Observ., Rugby School. Ast.

Sedgwick, Adam, F.R.S., Trinity Coll., Cambridge. Zool. Seebohm, Henry, F.Z.S., 22 Courtfield Gardens, So. Kensington, London. Orn.

Seeley, H. Govier, F.R.S., Prof. in Kings Coll., 25 Palace Gardens, Ter-

race, Kensington, London, W. Phys. and Strat. Geol., Vert.
Senicr, Alfred, M.D., Ph.D., F.I.C., F.C.S., Thornfield, Harold Road,
Upper Norwood, London, S.E. Org. and Inorg. Chem.
Seward, Alb. C., St. John's College, Cambridge. Veg. Palæo., Recent

Bot.* Shadbolt, George, F.R M.S., 11 Billiter Square, London, E.C. Algæ,

Diatoms, Mic., Photog.*

Sharp, William, F.R.S., F.G.S., M.D., Rugby, Warwickshire. Medicine.* Sharp, William, F.R.S., F.G.S., M.D., Rugby, Warwickshire. Medicine.* Sharp, Wm. E., Ledsham, N. Chester. Ent., Coleopt., Orn., Ool.* Sharpe, R. Bowdler, LL.D., Nat. Hist. Mus., S. Kensington, London. Shaw, Wm. Forster, Mosshall-grove, North Finchley, London. Physical and Strat. Geol., Min., Met., Phys., Mic., Bibliog., Arch., Philol. C. Ex.

Sheldon, Miss Lilian, The Field, Stroud Glos. Morph., Emb., Anat. Shelley, Capt. G. E., 10 Thurloe Sq., London, S.W. Orn., Lepid., Coleopt. (African only).

Shenstone, James C., 13 High St., Colchester. Bot., Chem., Photog., Arch.*

Sherborn, Charles Davies, F.G.S., F.Z S., 540 King's Road, Chelsea, London, S.W. Palæo., Protozoa, Index Gen. et Spec. Anim.*

Sherring, R. Vowell, F.L.S., Hallatrow Court, near Bristol. British and West India Ferns, Botanical Hort. C. Ex.

Shipley, Arthur E., Christ's College, Cambridge. Comp. Anat., Injurious Insects.*

Shore, T. Wm., F.G.S., F.C.S., Hartley Inst., Southampton. Strat. and Phys. Geol., Anth., Arch. Sidgreaves, Walter, Stonyhurst College Observ., Whalley, W. Blackburn.

Terrestrial Mag. Phys., Ast., Meteo.

Silver, S. Wm., F.L.S., F.R.G.S., F.H.S., F.R.B.S., F.R.M.S., F.S.S., etc., 3 York Gate, Regent's Park, London and Letcomb Manor,

Wantage, Berks.
Sinclair, F. G., M.A., F. Cam. Phil. Soc., Barrogill Castle, Wick, Scotland and Newton Hall, Cambridge, England. Zool., Gen. Biol., Morph., Emb., Myriopoda.

Sinel, I., St. Heliero, Jersey. Marine Biol., Sponges, etc. Skelton, T.A., Southampton. Ast. Slade, Rev. H. P., F.R.A.S., 22 Wescott St., Holderness Road, Hull. Bot., Geol., Mic., Photog., Meteo., Ast., Bibliog Sladen, W. Percy, Orsett House, Ewell, Surrey. Echinoderms, Aste-

roidea.

Slater, J. W., Fellow Chem. Soc., Fellow Ent. Soc., Ed. "Journ of Sci," 36 Wray Crescent, Tollington Park, London, F. Biol., spe. Ent. C. Ex. Buprestide and Cetoniadæ for Cicindolidæ and Carabidæ.

Slater, Matthew, F.L.S., 1 West Grove Villas, Malton. Bot. Smetham, Alfred. F.C.S., F.I.C., Analytical and Consulting Chemist to the Royal Manchester, Liverpool, and No. Lancashire Agric. Soc., 18 Brunswick St., Liverpool. Agric. Chem., Geol., Chem., Mic.*

Smith, John, Monkredding, Kilwinning, Scotland. Phæn. Plants, Invert.
Palæo., Geol., Mic., Arch., Lepid., Mollusks, Sponges. C. Ex.*
Smith, Miss K. M. Nixon, Melrose Villa, Cadogan Road, Surbiton. Bot.

Smith, Wm. H., 21 Bramshill Road, Harlsdon, Middlesex. Ool.
Smith, Wm. G., B.Sc., Maryfield, Dundee, Scotland. Bot., Agric.*
Smith, William I., B.Sc., 4 Home Terrace, Dundee, Scotland. Bot.,
Zool., Gen. Biol.

Smith, Worthington G., F.L.S., M.A.I., Dunstable. Fungi, Anth., Arch., Eth. C. Ex.*
Snape, H. Lloyd, D.Sc., Ph.D., Univ. Coll., Aberystwyth, Wales. Org. and Inorg. Chem.*
Snelus, Geo. J., F.R.S., F.C.S., Vice-Pres. Iron and Steel Inst., Ennerdale Hall, via Camforth, Cumberland. Min., Crystall., Inorg. Chem. Matel. Chem., Metall.

Soames, Rev. H. Aldwin, M.A., F.L.S., Rose Cottage, Bromley, Kent. Bot., Geol., Mic., Photog., British Mammals. C. Ex.*
Sollas, W. T., M.A., D.Sc., LL.D., F.R.S., Prof. Geol. and Min., Univ. of Dublin, Talbot House, Beachrock, Co. Dublin, Ireland. Sponges.

of Dublin, Talbot House, Beachrock, Co. Dublin, Ireland. Sponges. Somerville, Alexander, B.Sc., F.L.S., 4 Bute Mansions, Hillhead, Glasgow, Scotland. Bot., Moll.*
Somerville, Rev. Jas. E., B.D., Crief, Scotland (in Summer); Mentone, France (in Winter). Bot., Ent., Moll.
Sorby, Henry Clifton, Ll.D., F.R.S., F.S.A., Broomfield, Sheffield. Marine Invert., Geol., Lithol., Metall., Gen. Biol. C.*
Southwell, Chas. Henry, Ph.D., F.R.M.S., Public Analyst, Boston. Bot., Chem., Physics, Elect., Mic., Photog.*
Southwell, Thomas, F.Z.S., M.B.O.U., 10, The Crescent, Chapel Field, Norwich. Zool.*

Norwich. Zool.*

Sowerby, G. B., F.L.S., F.Z.S., Conchologist, 121 Fullham Road, London.

S.W., Dealer. *Mollusks*. Sale, purchase or ex. of shells. Sowerby, Wm., See'y Royal Bot. Soc. of London, F.L.S., etc., Botanic Gardens, Regent's Park, London. *Bot*.

Spanton, Wm. Dunnett, F.R.C.S.E., Hanley, Staffordshire. Bot., Mic., Gen. Biol.*

Spotswood, Green W., Inspector of Irish Fisheries, Dublin Castle, Dublin,

Ireland. Ichthyol.

Spruce, Dr. R., Acad. Imp. Germ., "Natura Curiosorums," F.R.G.S., etc., Concysthorpe, Malton. Hepatica.

Stapf, Otto, Ph.D., Assist. for India, Royal Herbarium at Kew, 2, Clarence

Rd., Kew Gardens, Surrey.*

St. Clair, George, Castle Road, Cardiff, Wales. Author of "Darwinism and Design," "Evil, Physical and Moral," "Buried Cities and Bible Countries," etc. Geol., Anth., Biblical Arch.*
Stebbing, Rev. Thos. R. R., M.A., Ephraim Lodge, The Common, Tun-

bridge Wells, Kent. Crustaceans. C. Ex.*
Stephens, Darell, F.L.S., F.G.S., Trewornan, Wadebridge, Cornwall. C. Cornish Birds.*

Stevens, Samuel, Loanda, Beulah Hill, Upper Norwood, London, S.E. Ent: British Coleopt. and Lepid.

Stevens, Wm., Tettenhall near Wolverhampton. Bot., Mic., Bibliog., Ent., Lepid., Coleopt. Ex.

Stevenson, Rev. John, L.L.D., F.R.S. Edin., Hon., Sec. Cryptogamic Soc., Scotland, Glamis, Forfarshire, N.B., Scotland. Bot., Phan. and Crypt. Plants.

Stewart, Capt. A., Salisbury Gardens, Ventnor, Isle of Wight. Bot. Stewart, S. A., Fellow Bot. Soc. Edinb., Museum, Belfast, Ireland. Bot.,

Mosses.* Stoate, William, Belmont, Burnham, Somerset. Collection of Books, Pamphlets, Maps and Engravings of the County of Somerset, Eng.

Arch., Ool. Stokes, Arthur H., A.M., F.G.S., H.M. Inspector of Mines, Green Hill,

Derby. Geol., Mining.* Stokes, Sir G. G., Bart., Lensfield Cottage, Cambridge. Math., Physics,

espec. Optics.*

Stolterfoth, Henry, M.D., M.A., 1. Grey Friars, Chester. Diatomaceae both fossil and recent. C. Ex. microscopical slides or materials.* Stone, Edward James, M.A., F.R.S., F.R.A.S., Dr. Phil. and Sci., Dir.

Radcliffe Observatory, Oxford.*

Stone, Herbert, F.L.S., Grosvenor Road, Handsworth, Birmingham. Bot:

Phæn. and Crypt. Plants, Veg. Physiol., Veg. Histol.

Stone, Sir Benjamin, I.P., F.L.S., F.G.S., F.R.G.S., The Grange,
Erdington, Birmingham. Bot: Mosses, Phys. Geol., Mic., Photog.,

Geog. Dist. C. Ex.*
Stone, Wm., M.A. (Cambridge), Fellow Linnæan and Chem. Societies (London), "The Albany," Piccadilly, London, W. Bot: Phæn. and Crypt. Plants, Chem., Emb.*

and Crypt. Plants, Chem., Emb.*
Stott, J. Herbert, 63 Manchester Road, Bolton, Lancashire. Orn., Ool.
Stradling, W. Arthur, M.R.C.S.E., C.M.Z.S., F.Z.S., etc., Flores, Watford, Hertfordshire, Pres. Hertfordshire Nat. Hist. Soc. Ophiology. C. Ex.*
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Walker, Frank, Chemist, 12 Beacon Lane, Everton, Liverpool. Bot.:

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Wheldon, John, 58 Gt. Queen St., London, W.C. Whitaker, J., Rainworth Park, Mansfield, Notts. Orn., Bot.

White, J. Martin, Dundee Naturalist's Society, Balruddery, near Dundee, Scotland. Phys., Elect.
White, Jas. W., F.L.S., Warnham, Woodland Road, Clifton, Bristol.
Phæn. Bot.

Whitehead, Charles, F.S.A., F.L.S., F.G.S., F.R.G.S., Technical adviser to the Board of Agric.; Chair. of Committee on Diseases of Seeds and Plants, Vice-Pres. of the Royal Agric. Soc., Barming House, Maidstone.*

House, Maidstone.*

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Bot., Lichens.*

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181 High St., Brentford, Middlesex. Caryophyllacea.*
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Woodward, Martin Fountain, Biological Laboratory, Royal College of Science, South Kensington, S.W. Mammalian Teeth and their Development.

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Bot., Algæ, Zool. (Akyonaria).
Young, Jas. B., Capt. R.N., Home address, Rodwell, Weymouth. Ool.
C. Ex*

Young, John, F.L.S., F.Z.S., M.B.O. U., 64 Hereford Road, Bayswater London. Orn., Bot. C.
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Breidler, J., Hubergasse 12, Ottakring bei Wien. Bot . Bruol.

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Strat. Geol., Arch.

Cobelli, Ruggero de, Medico Civico, Roveredo. Phæn. Plants, Fungi, Hymenopt., Orthopt. C.*

Cori, Carl I., Dr. phil. et med., Docent u. Assist. d. Zool., Zool. Inst. d. deutschen Univ., Prag II., 1594. Zool., Gen. Biol., Morphol., Emb., Anat., Mollusks.*

Csató, Johann von, Nagy-Enyed, Transylvania. Bot., Orn., Tax. C.* Czakó, Coloman, Akad. Veterinar., Budapest. Florist.

Czynk, Edward von, Fogaras (Transylvania). Orn., Zool., Tax. Ex.*

Dadai, Eugen, Adj. am Nat. Mus., Budapest. Entomostraca. C. Dahlström, Julius, Eperiss. Lepid. C. Ex. Dalla Rosa, A., Prof. k. k. Univ., Wien. Anat.
Dalla, Torre, Karl W. von, Prof., Innsbruck, Tirol. Bot., Ent., Gen-Biol., Bibliog., Zool. C.*

Damin, Prof. Narcis, Buecari, Croatia. Arach.

Degen, Dr. Arpad von, Budapest, Kerepeserhof. Bot., Flora of the Balkan. C. Ex.*

Deininger, Prof. Emerich von, Dir. der Kön. landn. Lehranstalt, Re-

szthely. Cultivation of Plants.

Demeter, Dr., Maros-Vásárhely, Transylvania. Bot.

De Sardagna, Michele, Trento, Tirol. Phæn. and Crypt. Plants.

Dewoletzky, Dr. Rudolf, Gymnasialgasse 4, Czernowitz. Zool., Gen.

Biol., Morphol., Invert. Anat.*

Diener, Dr. Carl, Univ., Vienna.
Dietz, Magacsy, Budapest. Bot.
Doelter, Cornelio, Dr. Prof. a. d. Univ. Graz. Phys., Geol., Min., Lithol. Doleshall, Heinrich, Brünn, Bürgergasse 23. Ent : Lepid., Coleopt. C.

Dölter-y-Cisterich, Dr. Cornelio, Prof. Univ., Graz. Min., Petrog. Donath, Dr. Julius, Gössergasse 3, Budapest. Chem., Physiol.

Dörfler, Ignatz, Wien, Burgring 7. Bot.

Doubrawa, Wilh. Johan, Entomolog. u. Musik direktor, Zizkov pr. Prag,
 Bohemia. Bot.: Phæn. and Crypt. Plants, Ferns, Algæ, Min.,
 Crystall., Ent., Hymenopt., Lepid., Dipt., Coleopt., Hemipt.,
 Orthopt., Neuropt. C. Ex.

Drasch, Dr. Otto, Glacistrasse 57, Stiria. Vert., Histol. Drasch, Prof., Vorst. Inst. für Histol. u. Emb., Univ., Graz.

Dumbrava, Uazul, Prof. Belényes. Bot.
Dunikowski, Dr. Emil, Prof. Univ., Lemberg, Galicia. Geol.*
Dybowski, Dr. Ben., Prof. Univ., Lemberg, Galicia. Zool.
Dzieduszycki, Count Wladim, Mus. Dzieduszycki, Lemberg, Galicia.

Orn.

Ebner v. Rofenstein, Prof., Vorst. Histol. Inst. Wien. Edenberg, Prof. Dr. Carl Langer von, Vorstand Anat. Inst., Wien. Eger, Dr. L., I. Maximilianstr. 11, Wien. Palæo., Geol., Min., Meteo., Zool., Emb., Anat., Anth., Vert., Mam., Orn., Osteol., Ent. C. Ex.*

Einsle, Anton, Riemerstr., Wien. Bibliog., Ent., Micro-Photog. Emich, Gustav v., IV. Sebastian Place, 8, Budapest. Bibliog., Applied.

and Agric. Ent. Entz, Dr. Géza, Prof. der Zool. am Polytechnicum, Budapest. Protozoa, C.

Eppinger, Prof., Vorst. Pathol., Anat. Inst., Graz.

Ettingshausen, Prof. A. v., Dr., Techn. Hochschule, Graz. Phys.* Ettingshausen, Baron Constantin von, Prof. der Bot., Univ., Laimburggasse 8, Graz. Fossil Plants, Tertiary Flora. C.

Exner, Dr. Franz, Prof. Univ., Wien, IX., Währingerstr. 29. Phys. Exner, Dr. Ka l, Prof. Gymn., Wien, Wasagasse, 10. Math., Phys.* Exner, Sigmund, Prof. der Physiol. a. d. Univ., Wien, IX., Servitergasse 19. Physiol.*

Eysn, Marie, Salzburg. Phan. Bot.*

Fåbry, János, Prof., Remaszombat. Bot. Fehlner, C., III. Schützengasse 2, Wien. Bryology. Felder, Dr. C., lid. der Kais, L. C. Acad. der Naturwissenschaften en Burgemeister von Weenen, Operngasse 8, Wien.

Feldkirchen, Prof., Kärnthen. C. Coleopt. Fekete, Jos., Inspektor d. Bot. Gartens, Budapest.

Fényi, Rev. Julius, S. J., Observatorium, Kalocsa. Ast.*

Filarszky, Ferdinand, Assist. am bot. Inst. d. kgl. ung. Univ., Budapest.

Bot., Alga.* Flatt, Carl von, Elesd, Comitat Bihar. Bot., Gramin., Bibliog. and Hist. of Bot.*

Fleischl v. Marxow, E., Prof., k. k. Univ., Wien. Physiol.

Formánek, Dr. Edw., k. k. Brünn, Anastasius-Srüngasse 4. Phan. Bot.

Forstinger, Rud., Vedrod. Bot.

Foullon, Baron Heinrich v., Wien. Chem., Lithol. C. Ex.* Fournes, Herm., Kaufmann, Klagbaumg. 3, Wien, IV. Ool. Ex.

Freh, Prof. Alfons, Güns. Bot. Freyn, J., Beh. aut. Civil-Ingenicur, fürstl. Baurath, Prague, Smichov, Bohemia. Bot.: Phanerogams. C. Ex. Ranunculus not European for European specimens.*

Fric, V., Wladislawsgasse 21a, Prague, Bohemia. Min., Geol., Palao.,

Zool. C. Ex. Fritsch, Prof. A., Univ., Prague, Bohemia. Zool., Palæo.

Fritsch, Dr. Carl, Privat docent der Bot. an der k. k. Univ., Lederergasse 23, Wien, VIII. Bot.: Phan. Plants. C. Ex.*

Fruwirth, Carl, diplom. Landwirth, Protessor an der landwirthschafte-Fruntin, Carl, diplom. Landwith, Professor an der landwithschafteLehranstalt in Mödling bei Wien. Docent an der k. k. Hochschule
für Bodenkultur in Wien. Spezieller Pflanzenbau (Hopfen).*
Fuchs, Dr. H., Privatdocent für Paläo., Wien.
Fuchs, Dr. Sigm., Assist. am Physiol. Inst., Wien, IX., Schwarzspanienstr. 17. Physiol.
Fuchs, Theodor, Dir. du geol. Abtheilung am k. k. Naturhistor. Hofmuseum, Wien. Palæo., Geol. (Tertiary).
Fugger, Eberhard, k. k. Prof., Custos des k. k. Botan. Gartens in Salz-

burg. Bot., Geol., Min., Chem.
Fukal, Hugo, Wien, VIII., Lerchengasse, 34. Bot.: Crypt. Plants,
Fungi, Lichens, Alga. Mycol.* Gaertner, Dr. Gustav, k. k. Univ. Prof., Wien, I., Schulerstr. I. Elect., Mic., Physiol., Histol.

Gammel, Alois, Budapest IX., Lonyaigasse 18. Orn., Ent., Hymenopt., Lepid., Dipt., Coleopt., Hemipt., Orthopt., Neuropt. C. Ex.

Gander, Hieronymus, Pfarrer zu Innervillgraten, Post Lillian, Tirol. Bryol.

Ganglbauer, Ludwig, Custos am k. k. Naturhistorischen Hofmuseum, Wien. Coleopt., Orthopt.

K. K. Gartenbau-Gesellschaft in Steiermark (Mitteilungen). Mitteilungen aus dem Botan. Institut, Gratz.

Gelmi, Enrico, Trento, Tirolo. Phan. Plants, Ferns. C.

Genersich, Prof. A., Univ., Klausenburg. Vert. Emb. and Anat., Osteol., Myol., Histol. of Vert. C.

Georgescu, Ilie, Hülfsarbeiter am botan. Institut, Bukarest.

Gerstendörfer, Dr., Krumau, Bohemia. Min. Gileemot, V., Budapest.

Glaab, Ludwig, Bot. Gärtner am k. k. Bot. Garten, Salzburg.*
Glowacki, Julius, Prof. de Gymnase. Leoben, Styrié. Bot: Ferns,
Mosses, Fungi, Lichens, Algæ., Veg. Palæo. C.
Godlewski, Emil, Prof. de l'Univ., Cracovie, Rue de Straszewski.*
Coldebnidt Fuid Will.

Goldschmidt, Frid. Wilh., Wien, III. 3, Metternichgasse 2. Ast., Photog., Mic., Dipt. C. Ex. Goldschmiedt, G., Prof. k. k. Univ., Wien. Chem.

Gothard, Alex. von, F.R.A.S., Hereny, bei Steinamanger. Phys., Meteo., Ast.*

Gothard, Eugen von, F.R.A.S., Astrophys. Observatorium, Herény, bei Steinamanger. Phys., Ast., Astrophotog. C.* Graber-Vitus, Prof., Czernowitz. Physiol., Insects.

Graeffe, Edward, Inspector, Triest, S. Andrea 2, k. k. Zool. Station. Hymenopt., Mollusks. Crustacea, Worms, Radiates, Sponges, Protozoa. C. Apidæ, Formicidæ, Cynipoda.

Graff, Ludwig von, Prof. Zool. Univ., Heinrichstr. 48, Graz. Bibliog.,

Worms. C. Library. Ex.*

Grebe, Heinrich, Landesgeologe, Trier.

Gredler, P. Vincenz, Botzen, Tirol. Moll.

Gressel, Dr. Agostino, Trento, Via Larga 4. Coleopt. C. Ex. Grobben, Carl, Prof. der Zool. a. d. Univ., Wien, I., Franzensring. Zool.*

Gurlitt, W., Prof. Univ., Graz. Arch.
Gutwinski, Rom., Prof. Gymnasium, Tarnopol, Galicia. Bot.

Gwolff, Dr. Gyula, Torda. Bot.

Haas, B., Dr. Phil., Adjunkt der k. k. Versuchs Station, Klosterneuburg bei Wien. Chem., Bacteriol.

Haberlandt, Dr. G., o. Prof. d. Bot. an d. Univ., Vorstand d. bot. Instituts, Dir. d. hot. Gartens, Graz, Klosterwiesgasse 41.

Haberlandt, Dr. Michael, Adjunct, k. k. naturhist. Hofmuseum, Wien. Eth., Anth.

Habich, Otto, Wien, XVII., Stiftgasse 64. Lepid. C. Ex. Hackel, Prof. E., St. Polten. Gramineæ.

Halácsy, Dr. E. de, Wien, VII., Schraukgassestr. 1. Bot. Halasz, Prof. Arpád, Mako. Bot.

Halbherr, Bernardino, Rovereto (Trentino). Coleopt. C. Ex.

Haller-Graf-Bela, V., Retesdorf, Siebenbureng bei Schässburg. Moll., Histol.

Hanausek, Thomas, Franz, Dr. Phil., k. k. Prof. der Naturgeschichte, Mitglied der k. k. Prüfungscommission für Handelsschulen, Wien, Mitglied der K. K. Prütingscommission für Handelsschulen, Wien, VII., Bezirk Breitegasse 5. Pflanzen-Anat., Nahrungs und Genussmittelkunde. Tech. Mic., Warenkunde.*

Handl, Dr. Alois, Prof. Univ., Czernowitz. Physics.*

Handlirsch, Anton, Asst. am naturhistor. Hofmuseum, Rubengasse, 5, Wien, IV. Hymenopt., Hemipt. C.*

Hann, Julius, Prof. an der Univ., Wien, XIX., Hohe Warte, 38. Meteo.*

Hantken, Prof. Max von, Univ., Budapest.

Hatschek, Beithold, Dr. Phil., Prof. Univ., Prague. Zool., Gen. Biol.,

Morphol., Emb., Anat.

Hauer, Dr. Franz Ritter v., k. k. Hofrath und Intendant des k. k. naturh. Hofmus., Wien, I., Burgring 7. Palao., Geol.*

Haury, C., Smichow 418, near Prague (Bohemia). Coleopt.: Procerus, Procrustes, Carabus. Calosoma, Cychrus.

Hazslinszky, Prof. Frigyes, Heperjes. Bot.

Hebra, Dr. Hans Ritter von, Docent an d. Univ., Vorstand der Abtheilung für Hautkrankheiten a. d. allgem. Poliklinik, I. Kärnthner-

strasse, 14, Wien.*

Heger, Franz, Custos und Leiter der Anthr.-Eth. Abtheilung am k. k.
Naturhistorischen Hofmu-eum u. Sekretär der Anthropologischen

Gesellschaft, Wien. Eth., Arch., Anth.*
Heider, Dr. A. R. v., Doeent für Zool., Graz, Maiffredygasse, 4. Zool.,

Radiates.* Heimerl, Anton, Dr. Phil., Penzing, Wien, Parkgasse, 30 A. Phan. Bot.,

Desmids.

Heinricher, E., Prof., Univ., Dir. des bot. Gartens, Innsbruck. Bot.*

Dir. d. bot. Gartens, Agram.

Heinz, Dr. A., Prof. d. Bot. a. d. Univ., Dir. d. bot. Gartens, Agram.

Heller, C., Prof., Univ., Innsbruck. Vergl. Anat., Zool., Morphol., Echinoderms.

Hellich, Johann, Podebrad, Bohemia. Phan. Bot., Palao., Geol., Ent., Dipt., Coleopt. C. Ex.
Helmhacker, Rudolf, Nusle 187, Prague. Min., Geol.

Hempel, E. G., ord. Prof. and Hochschule für Bodencultur, Chef redacteur der Oesterr. Forstzeitung, Wien. Forestry.

Hensch, Dr. Andreas, Essez, Slavonia. Hemipt. C.* Henschel, Prof. Gustav A. O., Wien, VIII., Florianigasse 16-18. Ichthyol., Ent., Phytoapthol.*

Hering, Ewald, Prof. der Physiol. Deutsches Physiol. Inst., Prague. Phys., Mic., Gen. Biol., Histol.*

Herlinger, Franz, Oberplan (Bohemia). Coleopt., Lepid.

Hilber, Vincenz. Prof. a. d. Univ., Graz. Geol.

Hochstetter, Ferdinand, M.D., a. o. Univ. Prof., Wien, IX., Währingerstr. 13. Emb., Anat.*

Hoefer, Hans, Prof. an der k. k. Bergakademie, Leoben. Geol., Min., Crystall., Lithol. C. Ex.*

Hoernes, Dr. Moriz, Assis't naturhist. Hofmuseum, Wien. Anth.

Hoernes, Rudolf, Dr. Phil., Prof. a. d. Univ., Graz, Sparbersbachgasse29. Vert. and Invert. Palaco., Geol., Anth. C. Ex.

Hofmeister, Emil, Smichov 293, Prague. Lepid. Hofmokl, Dr. Johann, k. k., a. ö. Univ., Prof. und Primararzt, Wien, I. Zyottenring, 4. Chirurgy.*

Höfner, Gabriel, Wolfsberg, Kärnten. Phan. Plants, Lepid. G. Ex.* Höhnel, Dr. Franz Ritter von, a. o. Prof. d. Bot. u. d. indust. Mikroskopie, IV. Technikstrasse 13, Wien. Holetschek, Dr. Johann, Adjunct der k. k. Sternwarte, Wien, Währing.

Ast. * Holl, Moriz, Med. Univ. Dr., k. k. Universitäts-professor, Graz, Harrachgasse 21. Anat. C.*
 Holzinger, Dr. J. B., Hof- und Gerichts- Advocate, Graz. Bot., Lichens,

Bibliog. : Literature of the Middle Ages.

Horvath, Dr. Géza, Budapest, Dir. Ent. Station of State. Hemipt. C. Hübl, Arthur v., Militair geographisches Institut, Wien, VIII. Chem., Photog.

Hueppe, Ferdinand, Prof. der Hygiene, Prague. Fungi., Mic., Gen. Biol.

Huss, Johann, Felka. Coleopt.

Huter, Rev. Rupert, Sterzing, Tirol. Phan. and Crypt. Plants.

Ilosvay de Nagy-Iloseva, Lajos, Prof., Dr. Polytechnicum, Budapest, Chem.

Istvanffy, Dr., Custos National-Museum, Budapest.

Jablonowski, Joseph, Asst. Ent. Station, Budapest. Ent., Dipt., Thysanopt. C. Thysanopt. Ex.*
 Jaderny, Franz, Entomologe, Langenzersdorf bei Wien.*
 Janosik, Dr. Johann, Prof., Univ., Prague. Morphol., Emb., Anat.,

Histol.*

Jarostaw, Tomniki, Krakau. Zool., Coleopt. C. Ex.* Jentys, Stefan, Dr. phil., Prof. der höheren landwirth. Lehranstalt. Dub-

Jany bei Lemberg (Galizien). Physicl., Bot., Agric. Chem.*

Jickeli, Carl. F., Dr., Hermannstadt. Hydroid., Echinod., Protoz.

Jordan, Paul, Dr. Phil., Birkigt bei Tetschen. Zool.

Kabát, Josef Emanuel, Welwarn, Bohemia. Bot: European and Oriental Phanerogams, Cryptogams.*

Kalchberg, Adolf, Baron von, Wien, XIII., Penzing, Parkgasse 62.

Lepid. C. Ex.

Kanszt, J., Losoncz. Bot.

Karajan, V., Prof., Arch. Mus., Univ., Graz. Karlinger, Leopold, Wien, H.-V., Dammstr. 33. Lepid.

Karrer, Felix, Geolog. Volontair am k. k. Naturhist. Hofmus., Wien, XIX. Ober Döbling 80. Rhizopodist und Petrog. du Bausteine.*

Kastner, J. V., Wien, XV., Márzstr. 9. Coleopt. C. Ex.
Kastner, Karl, k. k. Prof., Salzburg. Bot., Geol., Min., Zool.
Kaufmann, Josef, Rubensgasse 5, Wien, IV. Coleopt. C.
Keck, Dr. Chas., Aistersheim. Bot: Phæn. Plants. C. Ex.*
Kelecsényi, Carl von, Tavarnok, Hungaria via N. Tapolesany. Coleopt., Lepid. (Europ, et Exot.).*

Keller, Josef von, Wien. Bot.
Kerner, v. Marilaun, Prof., Dir. Bot. Mus., k. k. Univ., Wien.*
Kheil, Napoleon M., Ferdinandstr. 38, Prague. Lepid. (Europ. and exotic), Orthopt., Hemipt., Dipt., Neuropt. C. Ex.*
Kinzel, Stefan, Petersdorf b. Trautenau. Min., Geol.*
Kittl, Ernst, k. k. Naturhist. Hofmus., Wien. Geol., Palæo. Ex. for

Muscum.*

Klapálek, Frantisek, Prof. F.E.S., Museum, Prague. Geog. Dist., C.

Neuropt. Ex.*
Klein, Jul., Prof. d. Bot. am Kgl. ungar. Josephs-Polytechnikum, Budapest.

Klein, W., Prof., Vorst. k. k. Arch. Inst., Univ., Prague.

Klemencie, Ignaz, Ph.D., Prof. Phys. and . Univ., Graz.

Klement, Robert, Siebenbürgen. Photog., Lepid., Coleopt., Con., Moll., Orn., Zool., Ool. C. Ex.

Klos, Rudolf, Sangerberg. Lepid.

Klutschak, Prof., Gymnasium, Leitmeritz, Bohemia. Bot.

Kmet, Andreas, rom. Kath. Pfarrer, Prencov (bei Schemnitz). Large and fine collection of Roses and Fungi, Phan. and Crypt. Bot. Ex. for Am. spec. esp. of tropical climates.

Knoll, Prof., Vorst. Inst. f. Exper. Pathol., Univ., Prague.
Koch, Prof. k. k. Hochschule für Bodencultur. Wien. *Min.*, *Geol.*Koechlin, Dr. Rudolf, Beamter am Naturhist. Hofmuseum, Wien, VII.,

Koechin, Dr. Rudolf; Beamter am Naturnist. Hofmuseum, Wien, VII., Siebensterngasse 28. Crystall., Min.*

Koelbel, Karl, Custos am k. k. naturnist. Hofmuseum, Wasagasse 28, Wien, Zool. Ex. Crustacea.*

Kögler, Carl, Schönbüchel b. Schönlinde, Nordböhmen. Min. C. Ex. Kohl, Franz F., Custos adjunct am k. k. naturnist. Hofmus., Wien, XVIII. Hymenopt.*

Kolazy, Josef, Kais, Rath u. Hilfsämter-Dir., Wien, XIV, Gürtelstr. 9.

Hymenoptera.*

Kolombatovic, Prof. G., Spalato. Vert., Cephalopoda, Dibranchiata. Korensky, Josef, Smichov, Bohemia. Palæo., Coleopt. C. Ex.*

Korlevic, Prof. Anton, Zagrab. Ent.

Kornhuber, Andreas, Med. and Phil. Dr., Prof. Inst. Polytech., Wien, V.-I. Bot: Phæn. and Crypt. Plants, Vert., Palæo. C. (Bot.) Ex.* Körösi, Josef, Dir. des Communalstatistichen Bureaus, Budapest.

Kotula, Boleslaus, Gymnasial Prof, Przemijsl. Lamellibranchiata, In-

sects. Kowalewsky, Dr., Mieczyslaw, Dublany, Galicia. Infusoria, Emb. Tel eosts.

Kowarz, Fred., k. k. Postverwalter, Franzenbad, Bohemia. Dipt. Krasan, Franz, Prof., Lichtenfelsgasse 21, Graz. Bot., Physiol.

Krasser, Dr. Fridolin, Wien, I., Univ., Pflanzenphysiol. Inst. Bot., Veg. Palæo., Mic.

Kravogl, Hermann, k. k. Prof., Egna, Tyrol. Bot., Min. Ex. Kreidl, Alois, Prague, Manufactory for Phys., Chem., and similar apparatus, for use of instructors. Phys. Geol., Min., Crystall., Chem., Metall., Physics, Elect., Zool., Anat., Anth. C.

Krenner, Dr. Jos., Prof. Polytechn. u. Nationalmus., Budapest. Min. Krivány, Johánn von, Comitats Cassier, Arad. Geol., Geog. C.*

Krone, Wilhelm, Prof., k. k. Staats-Oberrealschule, Wien. Lepid. C.

Krsepinsky, Carl, Böhmish Brod. Hort., Zool., Lepid., Coleopt. C. Kulczynski, Wladislaw, Prof. am St. Hyacinth-Gymnasium, Krakau.

Arach. Ex.* Kundrab, Prof., Vorst. Pathol.-Anat. Mus., k. k. Univ., Wien. Kunszt, Janos, Losoncz. Bot.

Kunszt, Karl, Schütt-Somerein. Orn., Ool. Ex.

Kunszt, Karl, Schütt-Somerein. Orn., Ool. Ex.
Ladislav, Prof. Duda, Real. Gymnasium, Prague. Hemipt., Hymenopt.
Langhoffer, Aug., Dr. Prof., Zengg. Ent., Dipt.
Lanz, Dr. Victor von, Prof. Univ., Wien. Phys.
Laretzky, P. Lavadka, Gömör. not.
Laube, G. C., Prof., Vorst. k. k. Geol. Inst., Univ., Prague.
Lecher, Bruno, Dr. Phil., Prof. Phys. an der Univ., Innsbruck.
Lecher, E., Prof., k. k. Univ., Wien. Exper. Physics.
Lehoczky, Theodor, Munkacs. Arch. C*
Lendenfeld, Robert von, Ph.D., Prof. Univ., Czernowitz. Morphol., Invert.
Anat.. Sponges. C. Ex.* Anat., Sponges. C. Ex.* Lendl, Adolf, Docent am Polytechnicum, vice-custos am Nat. Mus.,

Budapest. Arach., Biol.*

Leonhardi, Adolf, Baron, Platz, Bohemia. Ent., Hymenopt., Lepid., Dipt., Coleopt., Hemipt., Orthopt., Neuropt. C. Ex.*

Lewandowski, Dr. Rudolph, Prof. Nat. Hist. etc., Wien, I., Hauptstr. 109.

Gen. Bot., Elect., Lepid., Coleopt. C. Ex. Lichen, Dr. Adolf, Prof. Chem., Univ., Wien, IX., Wasagasse 9. Liebermann, Prof. Dr. Leo, Dir. der Kön. Chem. Reichsanstalt, Palais des Ministeriums f. Ackerbau, Budapest. Chem., Meteo., Gen. Biol.* Lieblein, Robert, Asst. der k. k. Sternwarte, Prague. Phys. Geol., Phys.,

Elect., Photog., Meteo., Ast.

Linhart, Dr. Georg, Prof. d. Bot. an d. Kgl. ungar. landwirthsch. Akademie, Altenburg.

Lippich, Ferdinand, Dr., Prof. Math. and Phys., Univ., Prague, II., 1594. Phys., Optics.*

Lóczy, Lewis, Prof. Geog., Univ., Budapest, VII., Felső erdősor, 1. Strat. and Physical Geol., Photog. C. Ex.*

Lode, Alois, Dr. Med., Wien, IX., Schwarzspamerstr. 17. Physiol., Histol.

Lomnicki, Mar., Prof., Lemberg, Galicia. Geol., Coleopt.
Lorenz, Dr. Ludwig, Ritter von, Custos adjunct am k. k. naturhistor.
Hofmus., Burggasse 9, Wien. Orn., Mammals.*
Lugert, Josef, Prof. of the Music-Conservatory, Smichow, 567 (Bohemia). Phanerog.*
Litterwiller, Lehverg.

Lütkemüller, Johannes, Dr. Med., Wien, IV., Favoritenstr. 4. Desmids.*

Maggi, Capt. August, Fünfkirchen. Coleopt. C. Ex.*

Marenzeller, Dr. Emil Edler von, Custos am k. k. naturhist. Hofmuseum,
Tulpengasse 5, Wien. Zool. Ex. Echinoderms, Worms.*

Marktanner-Turneretscher, Gottlieb, F.R.M.S., Em. Beamter am k. k.
naturh. Hofmus. Graz, Hauptplatz 11. Chem., Mic., Photo-Micro-

graphy, Hydroids, Invert. Anat.*

Maska, K., Prof., Neutitschein, Moravia. Palæo., Anth.

Mayer, Sigmund, M.D., o. ö. Prof. d. Histol. a. d. deutschen Univ., Prague,

Stefansgasse 28. Mic., Histol.*
Mayr, Dr. Gustav, Wien, III., Hauptstr. 75. Hymenopt., Galls. C. Medreczky, Stefan, Gymnasial Prof., Ungvar. Orn.

Méhelij, Louis de, Prof., Brassó. Amphibia, Reptilia. C.*
Merk, Dr. Ludwig, Anat. Inst., Wien.
Merkl, Eduard, D. Bogsán, South Hungary. Coleopt. C. Ex.

Michaelovics, Prof., Lengg. Bot.

Micklitz, Franz, k. k. Forstmeister, Radmansdorf, Oberkraim. Coleopt. C. Ex.*

Miczynski, K., Geol. Inst. der Universität, Krakau. Veg. Palæo.

Middendorff, E. v., Hellenorm (Livland). Orn., Ool. Ex. Mik, Josef, Prof. am k. k. Akad. Gymnasium, Wien, III., Marokkanergasse 3. Dipt. C. Ex.

Mikálkovics, Prof. Dr. Gcza Victor, Anat. u. Emb. Inst., Uellöerstr. 25,

Budapest. Urogenital Vert. development.
Mikosch, Dr. K., Prof. an d. Staats-Oberrealschule, II., Praterstr. 30, Wien.

Moeller, Prof. Dr. J., k. k. Pharmakologisches Inst. der Univ., Graz. Bot., Mic.*

Mojsisovics, Dr. Edm. von, Vice-Dir. der k. k. Geol. Reichsanstalt, Wien, III., Stroligasse 26. Invert. Palæo., Strat. Geol.*

Mojsisovics von Mojsvár, Aug., M.D., k. k. a. ö. Prof. der Zool. an der technischen Hochschule, Docent für Zool. und vergleichende Anat. an der Universität, Custos der Zool. Abtheilung des steiermärkischen Landesmuseums "Joanneum," Graz, Maiffredygasse 2 Anat., Biol., Birds, Reptiles.*

Molisch, Dr. Hans, a. o. Prof. d. Bot. and. technischen Hochschule, Graz.

Bot.

Molnár, Lajos, Molna Szecsöd., bei Körmend. Collector and Dealer. Nat. Hist., Zool., Orn., Ool. Large collection of mammals, bird skins and eggs from Europe. Ex. first class mammal and bird skins of all parts of the world. Cor. desired. Foreign Ex. desired.*

Moser, Dr. James, Privat-Docent der Physik a. d. Univ. Wien, VIII., Laudongasse 25 Phys., Elect., Photog.*

Moser, Dr. L. Carl, Gymnasial-Prof., Triest. Min., Ath., Arch. C.*

Mrazek, Alois, Ph.D., Pribram, Bohemia. Cestodes, Crustacea.

Mühel, Lul., Bodenback a. e. Bohemia. Orn. Ex. Mühlbach, Josef, M.D., Chotebor, Bohemia. Bot. Mulser, Anton, Bozen (Tyrol). Reptiles.

Murr. Josef, Dr. Phil., Fallmerayerstrasse 2, Innsbruck. Phan. Bot. C.* Nandor, Dr. Uhrik, Prof. d. Hyg., Kerepesi-út 61, Budapest. Ent., Lepid. C. Ex.*

Nestler, Dr., Univ., Prague, Bohemia. Veg. Anat.

Nickerl, Dr. Ottokar, Wenzelsplatz 16, Prague. Lepid., Coleopt. Nickerl, Ottokar, Jr., Student, Wenzelsplatz 16, Prague. Hemipt.

Niedzwiecki, Jul., Prof. Polytechnic Sch., Lemberg, Galicia. Geol. Nonfried, A. F., Entomologe, Rakonitz, Bohemia. Coleopt. C. Buys and Ex. Lamellicornia, Lucanida, Buprestida, Cerambycida.

Novák, Ottomar, Ph.D., Karlsplatz, 21, Prague. Invert. Palæo., Geol.
Obermayer, Prof. A. v., k. u. k., Oberst., Wien, VI., Gumpendorferstrasse 43, Laborat., Technische Militair Acad., VII., Stiftgasse 2.

Phys.*
Obersteiner, Dr. Heinrich, Prof. Univ., Doebling, Wien. Anat. of Vert.,
Neurolog. Histol of Vert.*

Ormándy, Nicolaus, Dir. d. Gym., S. a. Ujhely. Bot. Ott, Josef, Mies, Böhmen. Ent., Coleopt., Chrysomelidæ. C. Ex.*

Otto, Anton, Mineralien-Comptoir, Wien, VIII., Schlösselgasse 2. Min.,

Lepid, Coleopt., C. Ex.*

Paar, Ludwig August, Reutte, Tirol. Lepid., Mollusks, Ent., Coleopt. C. Ex. L. and F. W. Con. and Lepid., with collectors of N. and S. America, Australia, Asia, etc.

Pachinger, Alajos, Prot., Klausenberg. Trematodes, Sporazoa.

Paderwieth, M. Ent. Burcan, Gospic, Croatia. Orn., Ool., Europ. and exot. Coleopt. C. Ex.*

Palla, Dr. Eduard, Privat Docent der. Bot. a. d. Univ., Graz., Leechgasse 22. Bot.

Pantocsek, Josephus, M.D., Tavarnok, via N. Tapolesány. Diatoms der Globus.*

Panzer, Hubert, k. u. k. Oberlieutenant, Riva, Sud Tirol. Orn., Ool., Min. C. Ex. Pataky, Gábor, Uj-Pest Rivály. Bot.

Paulin, Alphons, k. k. Prof., Dir. des k. k. botan. Gartens, Laibach. Gen. Bot. Herbarium. Ex.

Paszlavszky, Josef, Prof., Förcáliskola, Budapest, II. Zool., Cynipida, Hymenopt. C. Ex. Pater, Bela, Prof. dans l'Ecole d'Agric., Cassovie Hongrie, Kassa, Inst.,

d'Agric. Bot: Herbarium. Ex.*
Penck, Dr. Albrecht, Prof., Universität, Wien, I. Phys. and Glacial Geol., Geog., Geomorphol.*

Geol., Geomorphol.*
Penecke, Karl A., Dr. Phil., Privat-Docent a. d. Univ., Graz, I., Tummelplatz 5. Geol., Palæo.
Perenyi, Dr. Josef., Kecskemét. Vert. Emb.
Peruter, Dr. T. M., 1 rof. Univ., Innsbruck, Meteo.
Petr, Franz, Prof. am. k. k., pedagogium, Ticin (Bohemia). Fresh Water Sponges; Rotifera, Worms. C. Ex.
Petri, Carl, Dr. Phil., Schaessburg (Segesvár). Coleopt. C. Ex.
Peyl, Theodor, Naturhistoriker, Thomasgasse 4, Pragne, III. Zool., Gen.
Roti, Calcort. Marrion ** Biol., Ent., Coleopt., Myriop.*

Pfaundler, Leopold, Dr. Phil., Prof. de Physique à l'Univ., Graz, Physik. Inst., Halbarthstr. 1. Phys., Elect.*
Pichler, Prof., Vorst. Arch. Mus., Univ., Graz.
Piers, Major, Güns.

Pietro, Rajor, Guns.
Pietro, Rev. D. Porta, Cologna di Creto, Tirolo. Bot. C. Ex.
Pintner, Theodor, Dr. Phil, Asst. Zoolog. Inst., Wien, I. Zool., Worms.*
Plasen, Dr. V., Wien, I., Fütterergasse. Coleopt.
Polák, Karl, Wladislawgasse 21, Prague. Flora of Europe.*
Polansky. Anton, Palais d'Este, Brünn. Lepid., Coleopt. C. Ex.
Porcius, Florian, Naszod-Rodna (Transylvania). Bot. C. Ex. Phanerogams of Transylvania for others.*

Parte Riette Carte (Transylvania)

Porta, Pietro, Curato, Creto, (Tirolo). Phæn. Plants.* Posepny, Bergrath, Wien, XIX., Carl Ludwigstr. 62. Mining Geol.* Prazmowski, Dr. Adam, Prof. d. Bot. u. Landwirtsch. an d. landw. Akad., Czernichow b. Krakau, Galizien.

Pribram, R., Prof. Univ., Dir. Chem. Lab., Czernowitz. Chem.*

Purjesz, Dr. Sigmund, Docent, Univ., Budapest, Geschichte der Medicin. Interne Medicin, Bibliog., Anth., Arch., Ethnog.*
Rabl, Carl, Prof. Dr., Vorstand Auat. Inst., Krankenhausgasse, Prague.

Emb., Moll.
Raciborski, M., Bot. Gardens, Cracovia. Veg. Palæo.
Raffesberg, Hngo, Podhragy, via Nagy Tapolesan. Coleopt. C. Ex.
Ráthgeb, A., Schemnitz. Min., Geol., Minerals, Rocks. Ex.
Rátz, Stefanus de, Dr., Prof. du Pathol. Anat., a. d. kön. ung. Veterinär-

akademie zu Budapest. Pathol., Anat. Rebel, Hans, Dr., Magdalenenstr., 14. Wien, VI. Micro-Lepid. C. Ex.

Rechinger, Dr. Karl, Wien, I., Friedrichstr. 6. Syst. Bot.* Redtenbacher, Josef, Prof. a. d. k. k. Realschule, Budweis, Radetzky

Str. 5, Bohemia. Hemipt., Orthopt. C.* Rehman, Anton, k. k. Universitäts Prof., Lemberg (Galizien). Bot.*

Reinitzer, Prof. Friedrich, Prof. Zool., deutsche techn. Hochschule, Prag, 1. Applied Bot., Zool., Agric. and Org. Chem., Mic. C. Ex. Reisch, E., Prof., Univ., Innsbruck. Arch. Reitter, Edmund, Paskau (Moravia). Coleopt.*

Remisch, Franz, Saaz, Bohémia. Ent., Lepid., Coleopt. C. Ex.

Rever, Edw., Wien, IX., Liechtensteinstr. 47. Ex. Geol. photographs.*

Richter, A., Bot. Garten, Budapest. Bot.

Richter, Lajos, Kaufmann, Budapest, Andrássy Ut 3. Bot: Phan. and Crypt. Plants, Ferns, Mosses, Fungi, Lichens, Alga, Desmids, Diatoms, Lepid., Dipt., Hymenopt., Neuropt., Orthopt., Conch., Hemipt. C. Ex. Wishes pressed plants, insects, land mollusks, pipes, gravours and postage stamps from all parts of the world.*

Rinnböck, J. C., Simmering 14, Wien. Mic. (Diatoms). C. Ex.
Roesler, Prof. Dr. Leonhard, Dir der chem.-physiol. Versuchsstation,
Klosternenburg b. Wien. Chem., Bot., Fungi, Hort., Ent. C.
Rofenstein, Victor Ebner, Rittervon, Dr. der medecin, a. ö. Prof. der Histol, Wien; Wipplingerstr. No. 38. Mic., Emb., Vert. Anat., Histol.

Rogenhofer, Alois Friedrich, Custos am k. k. Naturhist. Hofmuseum, Josefstadterstr. 29, Wien. Lepid., Hymenopt.* Rosa, Dr. Alois Dalla, a. ö. Prof. Anat., Wien.

Rosa, Dr. Luigi Dalla, Prosector Anat. Inst., Wien. Rosonowsky, F., Hunfalvijgasse. 4, Budapest. Zoolog. Praeparator. Mam., Orn., Herpetol, Ent.*

Rossi, Ludvig, Agram, Croatia. Bot.

Roth, Martinus, Prof., Iglo. Min., Geol. Roux, Dr. Wilhelm, Prof. Univ., Innsbruck. Menschliche Anat. u. Entwickelungsmechanik.

Entwickelungsmechank.
Rozsay, Rudolf, Ungvár. Coleopt. C. Ex.
Rulitz, Johann, k. k. botan. Gärtner, Laibach. Phæn. Bot., Ferns.
Rupertsberger, Mathias, Mühldorf. Europ. Coleopt. C. Ex.*
Russ, Carl, Officer, Wildstein, Bohemia. Coleopt.
Sabransky, Henry, Dr. Med., Univ., Tramin, Süd. Tirol. Phan. Plants,
Ferns, Mosses, Coleopt., Hemipt. C. Ex.*
Sajo, Karl, Prof., Ackerbau-Ministerium, kön. ung. entomolog. Station.

Ent., Hymenopt., Lepid., Dipt., Coleopt., Hemipt., Orthopt., Neuropt. C. Ex.

Sasclehner, Kálmán, Andrássy St. 3, Budapest. Palæo., Geol. of Rocks, Min., Crystall., Lithol., Mic., Meteo., Philat. C. Ex.*
 Satke, Ladislaüs, k. k. Bezirksschulinspector in Tarnopol, Galizien. Met.,

Phys. Geol.

Schaffer, Josef, Dr. Med., Wien, IX, 2, Schlagergasse 3. Mic., Emb., Osteol., Histol. C. Ex.

Scharizer, Dr. Rud., Prof. Univ., Czernowitz. Min.*

Schaschl, Johann, Buchscheiden, Karnthen. Coleopt. C. Ex.*

Schenk, S. L., Emb. Inst., Wien. Emb., Vert. and Invert.

Scherffel, Aladár, Igló. Bot : Algæ*
Scherf, Edmund, Wolfsberg, (Kärnten). Bot : Phæn. Plants*
Scherl, Edmund, Wolfsberg, (Kärnten). Bot : Phæn. Plants*
Schernhammer, Josef, Marzstr. 32, Wien, XV. Lepid. C. Ex.
Schiffner, Dr. Victor, Privat-docent der Syst. Bot. an. d. k. k. deutsch
Univ., Prague. Flora of Bohemia, Bryol.

Schilberszky, Karl, Assist. an der Univ., Budapest. Bot. (Bryol., Teratal., Morphol).

Schlangenhausen, Dr. Fridolin, Feldhof, bei Graz. Zool., Gen. Biol.,
Anth., Herpetol., Tax.*

Schmidt, Anton, Bürgerschuldirector, Haida, Bohemia. Mosses, Moll., Coleopt. Ex.

Schneider, Dr. Karl Camillo, Asst. Zool. Inst. Univ., Wein. Schrauf, Dr. Albrecht, Prof. Univ., Wien, Grillparzerstr. 2. Min., Cryst., Inorg. Chem., Met., Phys.

Schwackhöfer, F., Prof. an der k. k. Hochschule für Bodencultur, Wien, IX., Währingerstr. 59. Agric., Chem.*

Schwalb, Karl, Schulleiter, Hühnerwasser, Bohemia. Fungi. C.

Seifert, W., Klosternenburg bei Wien. Chem., Mic.*

Sekera, Emil, Ph.D., Gymnas.-Prof.. Czaslau, Bohemia. Mic., Meteo., Zool., Gen. Biol., Geog. Dist., Morphol., Emb., Anat., Anth., Eth., Ent., Worms, Protozoa. C. Ent.*

Senoner, Ad., früher Bibliothekar and k. k. geol. Reichanstalt, III., Marxergasse 14, Wien.

Settmacher, Gustav, Oberlehrer, Petersdorf b. Trautenau (Bohemia.)

Min., Geol.. Crystall. C. Ex.*

Siebenrock, Fried., Assist. am k. k. naturhist. Hofmus., Burgring 7,

Wien. Herpetol. Ichth., Osteol.* Siemiradzki, Joseph, Prof., Univ., Lemberg. Strat. Geol., Photog., Anth., Eth. C. Ex.* Sigmund, Alois, Gymnasium, Smichow (Bohemia). Petrog.

Sikora, Karl, Wien, IV., Haupstr. 7. Palæo.*

Simeck, Adolf, Bezirksecretär, Weisswasser (Bohemia). Coleopt., Lepid..

Simonkai, Dr. Ludw., Prof. d. Naturgeschichte an d. Realschule, Arad. Skalskij, Karl, k. k. Post Controler, Smichow bei Prague. Macro- and Mi-

cro-Lepid. C. Ex.*
Skorpion, W., Wien, XIII.-2. Lepid. C. Ex.*
Sommaruga, E. Frhr. v., Prof. k. k., Univ., Wien. Chem., Bacteriol.*
Spaeth, Dr. Franz, Kohlmessergasse 3, Wien. Coleopt. C. Ex. Desires
Coleopt., esp. Longicornes and Chrysomelites.

Spee, Dr. Ferd. Graf von, Prof. Anat. Inst., Kiel. Speiser, Franz, S. J., Prof., Kalocsa, Kollegium. Coleopt. C. Ex.* Spitaler, Rudolf, Phil. Dr., Adjunct der k. k. Sternwarte, Prague. Min. Photog., Meteo., Ast. C. Ex.*

Splichal, Cl., Lehrer, Hetzendorf b. Wien. Coleopt.
Srdinko, Josef, Prague. Europ. Lepid.
Srnka, Anton, Kön. Landescassier, Kleinseite 259, Prague. Coleopt.,
Cicindelidæ of the world.

 Staub, Moriz, Prof., Dr., Sec. Soc. Geol. Hungarian, Budapest, VII., Kercpesi út 8. Bot., Veg. Palæo.*
 Stefan, Dr., Freiherr von Washington, Schloss Pöls, Post Wildon, Steiermark. Orn., Geog. Dist. and Acclimatiz. of Birds. Ex.

Steigerwald, Karl V., Chotebor, Bohemia. Orn., Ent., Lepid. Steindachner, Dr. Franz, k. u. k. Hofrath, Dir. der Zool, abtheilung der k. k. Naturhist. Hofmuseum, Burgring 7, Wien. Herpetol., Ichth.* Stockmayer, Dr. Siegfried, Wien, Dobling Hauptstr. 12. Alga. Diatoms, Hist. C. Ex.*
Stoffella, d'alta Rupe, Emil, Prof. der Internen Medezin an der Univ.,

Have Lungen. u. Unterleibskrank-

Wien, VIII., Alserstrasse 25. Herz-Lungen. u. Unterleibskrank-heiten, Sprechstunde 4 Uhr.*

Stole, Antonin, Ph.D., Prague, Bohemia. Oligochata, Myxasporidia, Protozoa.

Stolz, O., Prof. Univ., Innsbruck. Math.* Stossich, Michele, Prof., Trieste. Worms, Moll. C.

Stur, Dionys, Oberbergrat. mitglied d. Akadem., Dir. d. k. k. geol. Reichsanstalt, III. Rasumoff-kygasse 3, Wien. Phyto-palæo. Sturany, Rudolf, Dr. Phil., Wissenschaftlicher Hilfsarbeiter am k. k.

Naturhist. Hofmus., Kasernengasse 7, Wien VI. Moll.*

Stussiner, J. A., Wienerstrasse 15, Laibach (Krain). Coleopt. (esp. Pselaphida and Scydamanida), Orthopt., Con. C. Ex.

Suess, F. E., Ph.D., Wien, k. k. Geologische Reichsanstalt. Palao., Geol.*

Sullivan, Rev. Maurice, Univ. of Innsbruck. Con. C.

Swess, Eduard, Prof. Univ., Wien. Geol.

Szajnocha, Dr. L., Prof. Geol. and Palæo., Universität, Cracovia. Geol., Veq. Palao.

Szepligeti, Prof. Gyöző, Budapest.

Szepligen, Froi. Gyozo, Budapest.
Szinnyei, Olmár, Budapest.
Szokol, Dr. Paul, Prof., Felső-Bánya. Min. C. Sell and ex.*
Szombathy, Jesef, Custos am k. k. Naturhistorischen Hofmuseum, Sigmundsgasse 8, Wien, VII. Anth., Arch., Osteol.
Sztehlo, Dr. Aurel, Spinegerszeg. Bot.
Sztehlo, Dr. Lee. Peof Rot. and Dir. Bot. Lab., Agric. Coll.,

Szyszylowicz, Dr. Ign., Prof. Bot., and Dir. Bot. Lab., Agric. Coll., Dublany near Lemberg. Bot.: Phæn. Plants, Mosses, Fungi. C. Fungi. Ex.*

Tabornegg, Markus von, Klagenfurth, Carinthia. Bot.

Talowitz, E., Adjunct Brauerei-Versuch Station, Wien, IX. Chem.*

Talsky, Jos., Prof., Neutitschein, Moravia. Orn.

Tangl, E., Prof., Vuiv., Czernowitz. Bot.
Tanta, Dr. Adolf, Székesfchervár. Bot.
Tcisseyre, Dr. Lor., Docent Univ., Lemberg, Galicia. Geol.

Teller, Dr. Friedr., Adjunct. Geolog. Reichsanstalt, Wien. Geol.

Teller, Dr. Friedr., Adjunct. Geolog. References., 1987.
Termy, Gustav, Iglo, Zips. Bot.
Teschler, Georg, Prof. Staats-Oberrealschule, Körmöczbánya. Nat.
Hist., Chem., Lithol., Anat., Herpetol., Histol. of Vert., Odontol.,
Diatoms. C. Ex. Trachyto, Opal.
Thalhammer, Prof. Johann, Kalocsa bei Budapest. Ent., Dipt. C. Ex.*
Alexander Rapon von Gummerhof Dorf Bozen, Tyrol.

Tieserhausen, Alexander, Baron von, Gummerhof Dorf Bozen, Tyrol.

Moll. C. Ex.

Toldtt, Prof. Dr. Carl, Vorstand II., Anat. Inst., Wien. Hum. Anat.,

Histol.

Tominz, Raimondo, Inspecteur général du plantations publiques, dir. du jardin bot., Trieste. Bot., Hort.

Tondera, Fr., Prof. à l'Ecole Polytechnique, Krakau. Veg., Palæo. Torök, Prof. Dr. Aurel, Vorstand Inst. of Anthropologie, Rosenplatz 7,

Budapest. Man and Apes.

Toth, Dr. M., Kalocsa bei Budapest. Min.

Toula, Dr. Franz, Prof. der Mineralogie u. Geologie an der k. k. technischen Hochschule, IV., Wien Geol.*

Trabert, Dr. Wilhelm, Doc. Univ., Wien, XIX., Hohe Warte 38. Meteo. Traxler; Ladislaus, Dr., Munkács. Con., Spongillidæ.* C. Ex.*

Trusz, Simeon, Prof. am k. k. Ober-Gymnasium, Zloczów (Galizien.)

Syst. Bot. C.*

Tschermak, Prof., Dir. Min., Petrogr. Inst., k. k. Univ., Wien.

Tschusi zu Schmihdoffen, Victor Ritter von, Villa Tännenhof bei Hallein,
Salzburg, Chairman of Comm. for Ornithol. Obs. in Austro-Hungary. Orn., esp. Orn. of Austria and Hungary C. Ex. Birds of Austro-Hungary, esp. of the Alps.

Uhlig, Victor, Prof., Techn. Hochschule, Prague. Invert. Palaco., Strat. and Phys. Geol., Moll., Protozoa.*

Uhrik, V., Dr., Budapest, Hercpeserstr 61. Lepid.

Ullepitsch, Jos., Gnezda (Zips). General Bot. Will ex. plants of Carpathian Alps for European plants.

Umlauft, Anton, Schönbrunn k. u. k. Hofgärten Inspector, Wien, XIII., Hort. C. Ex.* Vadászfy, Eugen, Inspector of Woods and Forests, Budapest, V., Bez.

Karpatutcza 19 r. Zool., Orn., Coleopt. Vandas, Dr. K., Prague, Academ. Gymnasium. Flora of the Balkan-

Peninisula.

Vávra, Václav, Ph.D., Assist. Bohem. Univ., Prague. Zool., Crustacea. C. Ostracoda in ex.*

Vejdovskij, Franz, Ph.D., Prof. of Biol., Comp. Anat. and Emb., University, Prague, Bohemia. Zool., Gen. Biol., Emb. of Invert., Comp. Anat., Worms, Protozoa, Fresh-Water Sponges, Coccidæ Psyllidæ, Hymenopt., Fresh-Water Amphipoda. C.*

Velenovskij, Prof., Dr., Univ., Prague. Oriental Plants (esp. Bulgarian), Morphol., Bohemian Flora.*

Venczel, Wrany, Sub-Lechnitz via Szepes Ofala, Szepes. Plants, Mosses, Lichens. C. Ex.*

Vetter, Karl, Assecuranz dir., Prague. Coleopt, (Cicindela, Carabus).

Vierhapper, Friedrich, Ried. Phæn. Bot., Plants Ferns. Vintschgau, Prof. v. vorst. Physiol. Inst., Innsbruck.*

Vleek, William, Vinohrady 1, Prague, Bohemia. Europ. Lepid. Voss, Wilhelm, k. k. Prof., Laibach. Funqi. C. Waagen, Dr. W., o. Prof. d. Paläontologic, Wien. Wagner, Adolf, Dr. Phil., Asst. Bot., Inst. der Univ., Mariatheresieustr.

25, Innsbruck. Bot.*
Wähner, Franz, k. k. Naturhistor. Hofmuseum, Privat-Docent an der Univ., Wien. Geol., Palæo. Waltenhofen, Prof. Dr. A. von, Wien. Elect., Magnetism.*

Weichselbaum, Prof., k. k. Univ., Wien. Pathol., Anat., Histol., Bacteriol.

Weidel, Prof., Vorst. Chem. Lab., k. k. Univ., Wien. Weinek, Dr. Ladislaus, Prof. Univ. Prague, Bohemia, Dir. der k. k. Sternwarte. Meteo., Ast.

Weinzierl, Robt. von, Prague, 174—I. Arch., Coleopt. C. Ex. Weinzierl, Dr. Th. Ritter von, Docent, Vorstand der Samen-Control Stat. wirkl. Mitglied der Kaiserl. Leopold-Karol. deutschen Akademie der Naturforscher, etc., Herreng. 13, Wien. Samenkunde, Untersuchung der Kraftfuttermittel, Futterbauversuche.

Weiss, Dr. A., Prof. Univ., Prague, Bohemia. Crypt. Bot., Desmids,

Diatoms.*

Wender, Dr. Neumann, Czernowitz. Chem., Mic. Wendlandt, Paul, Königl. Aberförster, Tapiau. Ool., Orn., Mosses. C. Wettstein, R. von Westersheim, Dr. Phil., Prof., Dir. d. botan. Gartens

der deutsch. Univ., Prague. Bot., Palæo.*
Wichmann, Dr. K., Wien, IX. Bot., Bacteriol.* Wielowieyski, Heinrich v., Docent Univ., Lemberg, Horodenka. Zool., Gen. Biol., Morphol., Emb., Invert. Anat., Histol.

Wierzejski, Anton, Dr. Phil., Prof. Zool. Univ., Krakau. Hymenopt..

Crustacea, Sponges. Wiesbaur, Prof. J., Mariaschein, Bohemia. Bot: Phæn. Plants; Min., Lithol.*

Wilckens, Martin, Dr., Prof., k. k. Hochschule für Bodencultur, Wien, Vorst. Zool. Physiol. Lab.*

Wilhelm, Carl, Ph.D., Wien, Cottagegase 24. Universal and Forest-Bot. C. Ex.*
Willkomm, Moritz, Dr. Phil., Prof. de la bot. syst.; Ancien Dir. du Jardin bot. de l'Univ., Prague. Phæn., and Crypt. Plants.*

Witlaczil, Dr. Emanuel, Wien, 3-2 Hörnegasse, 18. Zool., Anat., Emb. Woldrich, J. N., Ph.Dr., k. k. Prof., Wien, III. Neillinggasse 6. Palæo., Geol., Anth., Arch. C. Ex.*

Wolfinau, Wolf v., Prof. Realschule, Leitmevitz, Bohemia. Min., Geol.
Woloszczak, Dr. Eustache, Prof. Zool. and Bot., Polytechnic School, Lemberg. Bot., Salicology. C. Plants and Woods. Ex.
Zahlbruckner, Dr. Alex., Assist. k. k. Naturhist. Hofmuseum, Wien. Bot: Phæn. and Crypt. Plants; Lichens, Photog. C. Ex.
Zechenter, Dr. Gustav, Kremnitz (Körmöczbánya). Min., Bot. C. Many

spec. to ex.*

Zelinka, Dr. Karl, Prof., Graz. Zool., Gen. Biol., Emb., Histol., Worms.*
Zenger, Chas. V., F.R.A.S., F.B.A.A., F.A.S.P., Memb. Acad. of
Sciences of Prague, Prof. of Phys. and Astrophysics, Dir. Astrophysical Observatory, Karlsplatz, Polytechnic School, Prague.

Astronomical Photog., Phosphorog. Ex. for objects in the same

Zoufal, Prof. Vladimir, Ostrawa, Moravia. Lepid., Coleopt. C. Ex.

Zuckerkandi, Prof., k. k. Univ., Wien. Anat. Zukal Hugo, Wien, VIII., Lerchengasse 34. Crypt. Plants.*

BELGIUM.

Ballion, Jean, Gand. Invert. Palao., Zool., Anth., Orn., Ent., Moll. C. Ex.

Bambeke, Ch van, 5 rue Haute, Gand. Emb., Vert.

Bayet, Baron de, membre des societés royale malacologique, archéologique et scientifique, 58 rue Joseph II., Brussels. Geol., Min., Palæo. C. Ex. Desires espec. to receive fish, reptiles, shells, crustacea, polypus, crinoidia, and fossil insects of N. and S. America in ex. for fossils of Europe. Has 700 species in pairs to dispose of.*

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Vautier, Brussels. Invert. Palao.*
Bodart, Curé à Anhée, par Dinant. Ent., Bot.
Boddært, Albert (Care of Prof. R. Boddært), Ghent. Comp. Anat., Worms

espec desired. Nat. Hist. of Flanders.
Bougnet, Eustache, Ing. en chef, Dir. hon. des mines, Jemeppe. Geol.

Boulenger, Herman, 131 rue du Collège, Brussels. Photog., Stamps. C. Ex.*

Braconier, Ivan, Propriétaire au château de Modave. Geol., Palæo., Anth.

Breithof, Nicholas, Ing., Prof. Univ., 54, rue du Canal, Louvain. Geol. Briart, Alphonse, Ing. en chef des charbonnages de Mariemont et Bascoup, Morlanwelz. Geol., Palæo.

Bris, Artus, Ingénieur, Chenée. Phan. and Crypt. Bot.*

Bruggen, Louis van der, 109 rue Belliard, Quartier Leopold, Brussels. C. Fossils.*

Bruyne, C. de, Asst. Embryol. u. Histol., Univ. de l'Etat, Gand.

Cabeau, Abbé Joseph, Curé de Chaumont à Florennes. Orn., Ool., Cole-

opt., Lepid. C. Ex.
Cabeau, Chas., abbé, Dir. de l'Ecole d'Agric., Virtou. Ent., Elect.
Wishes to ex. Lepid. and Coleopt. of Belgium for exotics.

Candèze, Dr. Ernest, Glain, near Liège. Ent., Elateridæ. C. Ex. Candèze, Lèon, Glain, near Liège. Ent., Sphingida, Bombycida. C. Ex.

Carnoy, Dr. J. B., Prof. Univ. Louvain, rue du Canal 22, Louvain. Bot. Mic., Cellular Biol.

Cartuyvels, Jules, Ing., Dir. de l'Admin. de l'Agric., 40, rue Breydel Brussels. Geol.

Casteele, Dé van de, rue de l'Ouest, Liège. Arch.

Cesàro, Guiseppe, Prof., 5, rue Duvivier, Liège. Min. Ex.

Clautrian, Dr. George, Assist. l'Inst. Bot., 36 rue Botanique, Brussels. Bot., Physiol. Chem.

Clerfayt, Adolphe, Ing., Maître de Carrières, Esneux. Geol.

Cogels, Paul, Propriétaire au Château de Boeckenberg, Deurne, par Anvers. Geol., Palæo.

Cogniaux, Alfred, Prof., Avenue Hanlet 25, Verviers. Bot: Monographe du Cucurbitacées, Mélastomacées, Orchidées. C. Collon, Auguste, 8. rue Bertholet, Liège. Min. Ex.

Cornes, Jules, 36, Chaussée de Bruxelles, Ledeberg-les-Gand. Geol., Min., Palæo.

Corput, Dr. B. Ed. van den, Prof. à l'Université, 19 Avenue de la Toison

d'or, Brussels. Therapeutics. C. Ex.
Coubeaux, Eugène, 24 rue Vilain, XIII, Ixelles Bruxelles. Gen. Nat. Hist., Ent., Hemipt. C., esp. of Belgium. Ex.*

Crépin, Francois, Dir. du Jardin Bot. de l'état, Brussels. Bot.

Crismer, Léon, 46, rue Pont-d'Ile, Liège. Chem.

Crocq, Dr. J., Prof. Univ., rue Royale 110, Brussels. Geol., Min., Palæo. C. Ex. minerals and rocks of Europe for those of all parts of the

Dastot, Dr. Adolphe, Chirurgien-oculiste de l'Inst. Ophtalmique Provincial, Mons.*

Davreux, Paul, Ing., 14, rue Lefranco, Scherbeeck. Geol.

De Ceuleneer, Dr. Adolf, Prof. Univ. of Ghent, Ghent. Bibliog., Anth., Arch., Eth., Ethnog., Philol.

De Cort, Prof. Hugo, 61, rue d'Ecosse, Brussels. Mollusks, espec. Ma-rine Pelecypoda. C. Ex. Only good specimens desired. Correspondence solicited.

De Dordolot, Henry, D.D., Prof. Cosmology, Univ. of Louvain, 10 Rue au vent, Louvain, Strat. Geol., Palao., Chem., Physics, Gen. Biol., Zool. Emb., Bot.

De Jær, Ernest, Ing. en chef, Dir. des mines, 22, rue de la Chaussée, Mons. Geol. De Jær, Jules, Ing. en chef, Dir. au corps des mines, 4, rue Vieux-

Marché-aux Bêtes, Mons. Geol. Dejardin, Louis, Ing. au corps des mines, 40, rue du Jardin Bot., Liège.

Geol.

De Koninck, L. L., Dr.Sc., Ingén. honor. des mines, Prof. ordin. à l'Univ., en hiver: Quai de l'Université, 1; en été: Hamoir-sur-Ourthe (Province de Liège) Analyt. Chem. C. Ouvrages de Chem. Analyt. antérieur à 1848.*

Delboeuf, Prof. J., Boulevard Frère-Orban, 32, Liège. Psychol., Philol.* Delsaulx, Rev. P. Joseph, Prof. Phys., rue des Récollets 11, Louvain. Phys., Math.

Delsaux, Emile, Liège, rue Grétry. Gen. Biol., Physiol.

Delvaux, Emile, Capitaine de Cavaterie, 216, ave. Brugmann, Uccle. Geol., Pulæo.

De Marbaix, Prof. Alphonse, Louvain. Zootomy. De Marbaix, Henri, Asst. à l'institut d'Anat.-Pathol. et de Pathol. générale, Louvain.

De Moffarts, Ferdinand, Château de Stré par Huy. Coleopt. C. Ex. Denis, Hector, Prof. Univ. de Bruxelles, 42, rue de la Croix, Ixelles. Geol., Anth.

Denys, Ernest, Ing., Havré. Geol.

Denys, Jos., rue des Joyeuses Entrées 20, Louvain. Anat., Gen. Pathol. et Bacteriol.

De Pierpont de Rivière, Edouard, Château de Rivière, Profondeville. Arch. (spec. praehist.), Geol., Min., Crystall., Anth., Eth., Ethnog., Philol. C. Ex. Desires flints and ancient stone implements.*

De Puydt, Marcel, rue Bertholet, Liège. Anth.

Destinez, Pierre, Préparateur à l'Univ., 9, rue Ste. Julienne, Liège Geol., Palæo.

Dewalque, Francois, Ing., Prof. à l'Univ., 26, rue des Joyeuses Entrées, Louvain. Geol., Chem.

Dewalque, Gustave, Prof. ordinaire de Géol. et de Geog. Phys. à l'Université, 17, rue de la Paix, Liège. Geol., Palæo. C. Ex. Desires fossils espec. Devonian, and offers Minerals and Fossils of Belgium.*

De Wildeman, Dr. E., Attaché au Jardin Bot. de l'Etat, Brussels. Bot., Alga.

Algæ.

Dollo, Louis, Conservateur au Mus. Roy. d'Hist. Nat., 31, rue Vautier, Brussels. Veg. Palæo., Gen. Biol., Vert. Anat.*

Donckier de Donceel, Charles, Ing., 56, rue Bodeghem, Brussels.

Dormal, Victor, Doct. en Sci. Nat., Wârte l'Evêque, par Héron. Geol. Drosten, Robert, Fabricant d'appareils scientifiques et de microscopie Brussels, rue des Boiteux 23. Bot., Emb., Anat., Histol. C.

Dubois, Mathieu, Ing., Dir. des Charbonnages de Marihaye, Flémalle-Grande. Geol.

Dugniolle, Max., Prof. à l'Univ., 57, Coupure, rive gauche, Gand. Geol.

Dulait, Jules, rue de Montigny, Charleroi. Geol.
Dumont, André, Ing., Prof. à l'Univ. de Louvain, 51, Longue rue d' Argile, Anvers. Geol.

Dupire, Arthur, Ingénieur, Dour. Geol. Dupont, Edouard, Dir. du Musée Roy. d' Hist. Nat. de Belgique, Brux-

elles. Vert. Palæo., Strat. Geol., Anth., Ethnog.*

Durand, Fmile, 24, rue Albert-de-Latour, Schærbeek (Brussels). Chem.

Durant, Henry, Ing., 32, ave. d' Auderghem, Brussels. Geol.

Durant, Prudent, Montigny-sur-Sambre Geol.

Duvivier, Antoine, Dieghem près Brussels. Ent., Coleopt. of Africa, Phytophaga of all parts of the world, Coleopt. C. Ex. Englebert, Félix, Ing., 47, rue Juste-Lipse, Brussels. Geol.

Erens, Alphonse, Doct. en Sci. Nat., Fauguemont (Limbourg hollandais). Geol., Palæo. Errera, Dr. Léo, Prof. à l'Université, 1 place Stéphanie, Brussels. Bot.*

Ertborn, Baron Octave van, 14, rue des Lits, Anvers. Geol., Palao. Faly, Joseph, Ing. prin. an corps des mines, 36, rue Chisaire, Mons.

Felix, Dr. Jules, Médecin honoraire de la Maison de S. M. le Roi des Belges, Chirurgien et administrateur de l'hospice Ste. Gertrude, délégué du Gouvernement au Congrés international d'hygiene de Londres; 10 rue Marie de Bourgogne, Brussels. Specialiste pour les affections cancéreuses. Hygiene.

Firket, Adolphe, Ing. et Chef-Dir. des mines, chargé de cours à l'Univ.,

28, rue Dartois, Liège. Geol. Firket, Charles, Prof. à l'Univ., 125 rue Louvrex, Liège. Pathol., Bacteriol., Parasites.* Foettinger, Dr. Alex., Sc.Dr., Prosecteur d'anat. comparée, Univ. de

Liège.

Geol.

Forir, H., Ingénieur répétiteur à l'école du Mines, rue Nysten 19, Liège. Fournier, Dom Grégoire, O.S.B., Abbaye bénédictine de Maredsons, Namır. Palæo., Geol., Min., Arch C. Ex. Fraipont, Julien, Doct. en Sci. Nat., Prof. à l'Univ., 17, rue Mont St. Mar-

tin, Liège. Palæo. Ex. Francotte, P., Prof. à l'Athénée Royal, Brussels. Med., Photo-Microg. Frederica, Léon, Prof. à l'Univ., rue de Pitteurs 18, Liège. Gen. Biol., Physiol. C.

Gedoelst, Dr. Louis M., Prof. ecole de méd.-vétérinaire de l'état à Cureghem (Brussels), rue du Canal 20, Louvain. Mic., Gen. Biol.,

Gernært, Léon, Ing. des Mines, 15 rue des Anges, Liège. Geol., Lepid., Coleopt.

Giele, Jean François, Dir. des Cultures du jardin botanique, Voer des Capucins, Louvain.

Gilkinet, Alfred, Prof. Univ., rue Renkin 13, Liege. Geol. Gilson, Eugène, Prof. Univ., Gand. Org. Chem., Gen. Biol.

Gilson, Gustave, Prof. Univ., Louvain. Zool., Comp. Anat., Embr., Prehist.

Goret, Léopold, Prof. de chimie indust. à l'Ecole des Mines, 21, rue Ste.

Marie, Liège. Chem., Geol. Gravis, Dr. A., Prof. de Botanique à l'Univ., Dir. du Jardin botanique de

Guequier, Jules, Préparateur à l'Univ., 70, quai des Tuileries, Gand. Geol., Lithol.

Habets, Alfred, Prof. of Mining, Univ., 4, rue Paul Devaux, Liège. Geol., Metall., Mining.*

Halleux, Arthur, Ing des Mines, 3, rue des Eburons, Liège. Geol.
Heger, Paul, Prof. de physiol. à l'Univ., rue des Drapiers 35, Brussels.

Elect., Gen. Biol., Anth.
Hennequin, Emile, Lieut.-Col. d' Etat-Major, Dir. de l'Inst. Cartographique militaire, à la Cambre, Bruxelles. Phys. Geol.

Hock, Gustave, Prof. à l'Athenée, 27, boulevard Beauduin de Jérusalem, Mous.

Hubert, Hermann, Ing. au Corps des Mines, rue Fabry, Liège. Geol.

Ide, Manille, Louvain, rue du Canal 20. Histol.

Jacob, Makoy & Co., Liège. Bot. C. of plants.*

Jamme, Henri, Dir. des Mines et Usines de la Vieille-Montagne, Moresnetneutre (Calamire). Geol.

Janssens, Franz A., Pr. en Sci. Nat., Prof. à l'Ecole Tech. de Brasserie, rue d' Argent, 1, Gand. Mic., Zool., Gen. Biol., Histol., Mol-

Jorissen, Armand, Doct. en Sci. Nat., Agrégé spécial à l'Univ., 110, rue Sur-la-Fontaine, Liège. Chem., Geol. Jorissenne, Dr. Gustave, boulevard de la Sauvenière 130, Liège. Pathol.,

Physiol., Bot., Geol. C. of plants, rocks, and fossils of Belgium. Julin, Ch., Prof. Univ., rue Bassenge 46, Liège. Mic., Anat., Compar.

Kennis, Guillaume, Ing. des Arts, Manufactures et des Mines de l'Ecole

de Liège, 12 rue Robiano, Schærbeck, Brussels. Geol., Metall. Kerremans, Ch., Captain of Belgian Army, 31 rue du Lac, Brussels.

Coleopt., Spec. Buprestidæ.*
Klement, Constantin, Aide Nat. au Musée Royal d'Hist. Nat., Brussels. Min., Inorg. Chem.*

Koltz, Jean P. J., Inspecteur des forêts, Luxembourg. Bot: Phæn. and Crypt. Plants, Emb., Ichthyol. C. Ex.
 Kuborn, Hyacinthe, Dr. Med., Prof. à l'Univ. de Liège, Seraing, Liège.

Gen. Biol.

Lameere, Auguste, Dr. Sc., Prof. à l'Univ., chaussée de Charleroi, 119, Brussels. Biol.

Laurent, Dr. Emile, Prof. de Bot. à l'Inst. Agric., Gembloux. Bot.* Leclercq, Jules, Président de la Société Royale Belge de Géographie, avenue de l'Astronomie 25, Brussels. Geog. Dist.

Lejeunc, Octave, Ing. des Mines, 8 place St. Lambert, Liège. Geol.

Levieux, Fernand, 151 ave. Louise, Brussels. Bibliog., Arch.*

Libert, Joseph, Ingénieur principal au Corps des Mines, Ingénieur Elect., boulevard Audent, 108, Charleroi. Geol., Elect.*

Loë, Baron Alfred de, Sec. de la Soc. d'Arch. de Brussels, 11 rue de Loudres Brüssels.

Londres, Brüssels. Geol., Anth., Arch., Ethnoy.

Lohest, Max, Ing., Rivage, Comblainau Pont. Vert. Palæo., Geol. C.

Lohest, Paul, Ing. Civil, 2 rue Rouveroy, Liège. Geol., Min.* MacLeod, Julius, Prof. Univ., Plantentiun, Ghent. Bot. C. Ex.

Macquet, Auguste, Ingénieur, Dir. de l'Ecole des Mines du Hainaut. boulevard Dolez, Mons. Elect.

Malaise, Constantin, Prof. Inst. Agric., Gembloux. Geol., Palao., Min. Ex.

Malvoz, Ernest, rue de Bruxelles, Liège. Bacteriol.

Marchal, Emile, Préparateur au Lab. de Biol. de l'Inst. Agric., Gembloux. Bot.

Marchandise, Clément, Prof. de l'Ecole d'Hort., Vilvorde. Bot.

Marcotty, Desiré, Ing., Montegnée, par Ans. Geol. Marcq, Dicudonné, M.D., Carnières. Geol.

Massart, Dr. Jean, Asst. a l'Inst. Bot., 36 rue Botanique, Brussels. Bot., Zool.

Mertens, Albert, rue Marie de Bourgogne 20, Brussels. Coleopt.* Mertens, Gaston, rue Marie de Bourgogne 20, Brussels. Coleopt.* Moens, Jean, Avocat à Lede. Palæo., Anth., Arch., Eth. C. Ex.

Mourlon, Dr. Michel, Agrégé à l'Université, Conservateur au Musée Royal d'Histoire Naturelle, rue Belliard, Brussels. Strat. Geol., Upper Devonian and Tertiary. C. Ex. for the Museum. Nycland, Stephen, Dir. Hort. School, Vilvorde. C. Perennial Plants.

Nypels, Paul, 7 rue Forgeur. Liège. Bot., Phytopathol. Otreppe de Bouvette, Frédéric, Baron d', 5, rue des Carnies, Liège. Chem., Geol.

Overloop, Eugène van, 48, rue Royale, Bruxelles. Arch., Anth. Pâque, E., S.J., Collège Notre-Dame de la Poux, Namur. Phæn. and Crypt. Bot., Mic C. Herbs of Belgium.*

Paquot, Remy, Ing., Montzen. Geol.

Pavoux, Eugéne, Ingénieur, rue Delaunoy 14, Brussels. Palæo., Geol., Min. C. Ex.

Pelseneer, Paul, Prof. Dr., Normal School, Ghent. Morphol. of Moll. Perard, Louis, Ing., Prof. Univ. 101, rue St. Esprit, Liège. Physics. Pergens, Dr. Ed., Maeseyck. Living and Fossil Bryozoa. C. Ex.*

Petermann, Dr. Arthur, Gembloux (Namur). Directeur de la Station agronomique de l'Etat, et Professeur à l'Institut agricole de l'Etat, Membre de la Commission de Surveillance des laboratoires d'analyses de l'Etat. Chem., Physiol., Mic.*

Petit Bois, Gustave, rue Louvrex 37, Liège. Geol. Piret, Adolphe, 22, rue du Château, Tournai. Geol., Palao. Ex.

Plateau, Félix, Prof. de Zool. et Anat. Comp. à l'Univ., Dir. du Musée, 152, Chaussée de Courtrai, Grand. Arach., Myriapoda. C. Ex.* Poorter, Emile de, Chimiste, 2 boulevard Lousbergs, Ghent. Chem., Geol., Metall., Phys., Elect., Photog., Min., Crystall., Mic. Poskin, Jules, Dr. en Sci. Nat., Prof. de Zool., Inst. Agric., Gembloux.

Algæ, Mic., Ent., Hymenopt., Lepid., Coleopt. C. Ex. Preudhomme de Borre, Alfred, Rue Scutin 11, Schærbeck, Brussels. Bibliog., Geog. Dist., Articulates, Coleopt., Hemipt., Myriapoda.

C. Ex.* Preudhomme de Borre, Julia, rue Seutin 11, Schærbeck, Brussels.

Mollusks. C. Ex.*

Putzeys, Dr. S., rue Anoul 13, Brussels. Mollusks. European and Algerian Shells for ex.*

Racymaekers, Désiré, M.D., 164, rue de la Station, Louvain. Paleo.

Renard, A. F., Prof. Univ. Gand à Wetteren-lez-Gand. Geol., Min., Lithol., Phys., Geog.*

Reul, Gustave de, Ing., 74, chaussée de Louvain, Namur. Geol.

Reul, Joseph, Ing. aux Charbonnages de Courcelles-Nord, Courcelles. Geol.

Ronkar, Emile, Ing. des Mines, chargé de cours à l'Univ., 249, rue St.

Gilles, Liège. Physics, Geol. Rutot, Aimé, Mus. Nat. His., Brussels, rue du Chemin de fer 31, St. Josse-ten-Noode. Geol. Schmitz. Gaspur, S. J., 11 rue des Récollets, Louvain. Veg. Palæo. a

Spec., Min., Bibliog. Ex.

Schodt, A. de, Dir. Gén. de l'Enregistrement et du domaine an Ministère

des finances, rue de Londres 15, Brussels. Numis.

Schuermans, H., Premier Prés. de la Cour d'Appel, boulevard Frère-Orban 43, Liège. Arch.

Sélys de Brigode, Baron Raphaël de, 36, boulevard de la Sauvenière, Liège. Anth.

Sélys-Longchamps, Baron Edmond de, Sénateur, Mem. de l'Académie Royale de Belgique, boulevard de la Sauvenière 34, Liege. Orn., Mam., Neuropt.

Severin, Guillaume, Aide Nat. au Mus. Roy. d'Hist. Nat., rue Elise 70, Brussels. Ent.*

Solvay et Cie, 19, rue du Prince Albert, Bruxelles. Gen. Biol.
Soreil, Gustave, Ing., Maredret, par Anthée. Geol., Palæo. Ex.
Spring, Walter, Prof. Univ., rue Beckmann 32, Liège. Geol.*
Staes, G., Assist. botan. garden, Sec. bot. Soc., Ghent. Bot.
Stainier, Xavier, Dr., 70 chaussée de Wâvre, Brussels. Min., Geol.,
Palæo.

Storms, Raymond F., Château d'Oirbeek, Tirlemont. Vert. Palæo., Vert. Anat., Osteol. C.*

Stuckens, Maurice, rue Porte aux Vaches, Ghent. Vert., Anat., Moll. Terby, Francois, Docteur en Sciences, Membre de la Société Royale Astronomique de Londres, Observatoire Privé, rue des Bogards 96,

Louvain. Phys., Ast. Tihon, F., M.D., Burdinne. Arch. Tillier, Achille, Paturages. Geol.

Tosquinet, Dr. Jules, rue d'Ecosse 4 à St. Gilles, Brussels. Ichneumonidæ.

Tras, C. R. P., Prof. au Coll. N. D. de la Paix, Namur. Geol., Palæo.,

Van Bastelær, Désiré Alexandre Henri, Memb. l'Acad. Royale de Méd. et de l'Acad. d'Arch. de Belgique, Officier de lo'erdre de Leopold, rue de l'Abondance 24, Brussels. Bot., Arch., Pharm., Chem.,

Van Bastelær, Réné Désiré Emile, Attaché à la Bibliothèque royale. Cabinet des estampes, chaussée de Charleroi 126, Brussels. Grav., Arch.

Van Beneden, Edouard, Prof. à l'Université, Inst. Zool., quai des Pecheurs, So., Liege. Emb., Comp. Anat., Zool. C. of the University. Ex. Wishes to receive Tunicates, esp. Ascidians.
Van Beneden, M. P. J., m. asst. étrang. de l'Inst. de France, Louvain. Palæo., Zool., Anat., Crustacea, Worms, Mollusks.*
Van de Persit France.

Van den Broeck, Ernest, Conserv., au Musée Royal d'Hist. Nat. de Belgique, See. gén. de la Soc. Belge. de Geol., de Paléontol., et d'Hydrol., 39 place de l'Industrie, Brussels. Geol., Mic., Protozoa. C. Slides of oolitic rocks, publications upon Foraminifera and Nummulites.*

Van den Corput, Dr Edouard B., Brussels, 21, ave. de la Toison d'Or. Org. Chem., Mic., Anat., Arch.

Van Gehuchten, Arthur, Prof. d. Anat., Louvain. Histol., Anat.
Van Heurek, Dr. Henri, Dir. du Jardin Botanique, Anvers. Diatoms.
Van Lær, Henri, Dr. en Sei., Prof. de Chimie-micro-biologique à l'Ecole des Mines du Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasserie de Gand, 15 rue de Hainaut et a l'Ecole de Brasse Hollande, Brussels. Org. et Microbiol., Chem. C. de ferments,

Vanlair, C., M.D., Prof. Univ. of Liège. Gen. Biol., Histol. of Vert. Van Wilder, Hugo, Instituteur en chef, Denderwindeke. Bot: Phæn. Plants. C. Ex.

Vaux, B. Adolphe de, Ing. des Mines, 15 rue de Anges, Liège. Min., Geol., Mining.

Velge, Gustave, Ing. Civil, Lennick St. Quentin. Geol., Palæo. Vincent, Gerard, Préparateur au Musée d'Hist. Nat. de bruxulles, 97, ave. d'Auderghem, Etterbeck (Bruxelles). Geol., Palæo.

Watteyne, Victor, Ingénieur principal des Mines, boulevard Dolez 32, Mons. Geol.*

Wevre, Alfred de, rue de la Linière 12, St. Gilles-lez-Brussels. Mucol.. Anat., Mic., Chem., Physiol.

Willem, Dr. V., Univ., Ghent. Zool.

Willeno, Victor, Assist. à l'Univ. de Gand. Desires especially living reptiles.

Witmeur, Henri, Prof. à l'Univ., 12, rue d'Ecosse, Brussels. Min., Geol, Woot de Trixhe, Joseph, boulevard d'Omalius, Namur. Palæo., Geol. Min. C. fossils. Ex.*

BULGARIA.

Demchevsky, Manoil D., Samakov. Bot., Phæn. and Crypt. Plants, Organ. and Inorg. Chem., Phys., Zool. C. Ex. Georghieff, Dr. S., Prof. am Klassengymnasium, Sofia. Florist.

DENMARK.

Andersen, jun., Godthaabsvei, Copenhagen, F. Bot.

Baagöe, J., Apotheker, Næstved. Phæn. Bot., Hort., Orn. C. Ex.

Bang, Dr. Bernhard, Prof. Veterinary Pathology, Royal Veterinary and Agricultural Coll., Bülowsvej 11, Copenhagen.

Bartholin, C. T., Copenhagen. Palæo., Bot.
Bauer, Chr. A. P., Cand. Pharm., Rudkjöbing. Ichth., Reptilia und Amphibia.

Bergh, L. Thorshavn, Færö. Bot.

Bergh, Prof. Dr. Rudolph, Phys. to the "Vestre Hospital" of Copenhagen, Stormgade 19, 2, Copenhagen. Zool., lower animals.

Bergstedt, N., Bodilsker pr. Nexoc. Bot.
Boas, Dr. J. E. V., Prof. Zool., R. Agric., Forestrial and Veterinary Coll.,

8, Monradsvej, Copenhagen. Zool.*

Bohr, Dr. Christian, Physiol. Lab., Bredgade 62, Copenhagen. Gen. Biol.

Börgesen, F., Osterbrogade 24, Copenhagen. Bot., F. W. Algæ.*

Branth, Rev. J. S. Deichmann, Sneptrup, near Skanderborg. Lichenology.*

Bremer, W., Gothersgade 165. Copenhagen. Bot. Brunn, Alfred, Den. Kgl. Veter. Landbohöjskol, Copenhagen. Bot..

Brunn, Sven, The Royal Garden, Bernstorf. Bot. Budde-Lund, Gustav, Reventlowsgade 12, Copenhagen, K. Hemipt., Christensen, Holger, Villa Adelaide, Ordrup Charlottelund. Bot.

Crust., spec. Isopoda terrestria. C. Ex.*
Christensen, J. P., Copenhagen, K. Physics, Bot.
Christiansen, Prof. C., Sólvtorvet, Copenhagen, k. Phys.*

Clement, A., Chemist, Copenhagen. Chem.* Collin, Jonas, Lyngby. Zool.*

Dalskov, Alex., Bot. Gardens, Copenhagen, K. Bot.

Dohlmann, Sophus, F. A., Copenhagen, V. Lepid. C. Ex.* Eggers, H. F., Baron, Copenhagen. Bot., Flora of West Ind.

Elberling, F., 7. Vodrofvei, Copenhagen, V. Bot.

Fabricius de Tengnagel, L., Nykjöbing p. Falster. Fungi.

Fausböll, J., Hassing pr. Thisted. Bot.

Feilberg, C., Osterbrogade 46, Copenhagen. Bot.

Feilberg, Rev. H. F., Askov, near Vejen Station. Bot., Philol., Danish Dialects. Student of Folk Lore; publisher of a Dictionary of Western Danish dialects, 47 sheets printed and published.*
Flindt, H., Inspector of the Royal Gardens, Fredriksberg Runddel,
Copenhagen, F. Bot.*

Friderichsen, K., Haderslev, Slesvig. Bot., esp. Rubi. C. Ex.

Friedrichsen, Th., Bot Gar., Copenhagen. Bot. Friis, H., 45 Norre Farimagsgade, Copenhagen, K. Bot.

Fugl, Abed Hoeiskole, Lolland. Bot.
Gad, C., Overlæge, Viborg. Bot: Fungi.
Gelert, Otto, Cand. Pharm., Korsgade 8, Copenhagen, N. Bot., Rosaceæ.
C. Ex.

Gram, Dr. J. P., Alhambravei 6, Copenhagen, V. Math. Grönlund, Chr., Prof., Monradsvei 17, Copenhagen. Bot. Gram, Hans, Koldemosegaard, Soröe. Bot.

Hallas, Y., Sonderborg. Bot. Hannover, A., M.D., Prof., Gl. Kongevej 91, Copenhagen, V.

Hansen, A., Gamle Carlsberg Have, Valby. Bot.

Hansen, Carl, Prof. ord., Roy. Superior Agric. Acad. of Denmark, Copenhagen. Bot., Conifers, Cones, Herbariums, Living Plants and Cones of Conifera. C. Ev.* Hansen, Prof., Dr. Emil Chr., Vorstand des Physiologischen Labora-

toriums Carlsberg, Copenhagen. Physiology of Plants and Fer-

mentations.*

Hansen, Dr. H. J., Zoological Mus., Copenhagen Zool., Ent. Hansen, Dr. P. C. V., Sortedamsgade 7, Copenhagen, N. Math.*

Hartz, N., Bot. Garden, Copenhagen. Bot., Arctic Plants., Veg. Palæo. Hauschild, Louis, 39 Jagtvei, Copenhagen, L. Bot.

Heiberg, C. C. B., Apotheker, Nörrebrogade, Copenhagen, N. Bot. Helweg, L. del., Redacteur, Sec. de la Royale Danoise Soc. d'Horticul-

ture, Copenhagen. Bot.* Hempel, P., Apothek, N. Farimagsgade, Copenhagen. Bot.

Henningsen, Valdemar, Regentsen, Copenhagen. Phæn. and Crypt.

Bot., Veg. Palæo. C. Ex.

Hintze, Vilhelm, Asst. Museum, Vesterbrogade 13, Copenhagen. Geol.,

Min., Lithol., Mic.. Photog.*

Hoeg, Petersen, Bot. Gardens, Copenhagen, K. Bot. Hohlenberg, J. S., Nörregade 17, Copenhagen. Naut. Meteo.

Hörring, A. F., Physician, Römarsgade 7, 1, Copenhagen, K. Bot. Jensen, Arnold, Commander Royal Navy, Osterbrogade 48, Copenhagen. Phys., Geographical Dist. Corresponds in English, French and German.*

Jensen, Chr., Hvalsö Apothek, Hvalsö Station. Mosses. C. Ex.

Jensen, Hj., Bot. Garten, Assist. am pflanzenphysiol. Laborat., Copenhagen. Bot.

Jensen, J. L., Director, 6 Uraniavej. Copenhagen, V. Fungi, diseases of cereals and potatoes.*

Jensen, Marius, Cand. Pharm, Naturalist, Amerikavej 24, Copenhagen, V. Spec: Arctic Natural Curiosities of all kinds. Palaco., Min., Crystall., Anth., Vert., Mammals, Orn., Ool., Herpetol., Ichthyol., Ent., Invert. Sell or ex. Arctic Animals. C. Ex.

Jensen-Tusch, Harald, Col., Frederiksberg, Bredegade 21, Copenhagen. Bot. C.

Jeppesen, Forstander for Staby Höjskole, Ulfborg Station. Danish Bot., esp. Fungi and Characea. C. Offers plants and seeds for foreign, esp. from the tropics.

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Johannsen, W., Frydendalsvej, Copenhagen. Bot., Veg. Physiol.
Johnstrup, Fr., Prof. u. Director des Mineral-geogn. Museum der Universität, Copenhagen. Min., Geol.

Jörgensen, Alfred, Director of Physiol. laboratory for the fermentations, Frydendalsvej 30, Copenhagen, V. Courses of instruction in the physiology and technology of fermentation. Preparation of jure cultures of the different microorganisms of fermentation after Hausen's Method.*

Jörgensen, Dr. S. M., Prof. an der Universität, Sölvgade, Polytechn.

Lehranstalt, Copenhagen. Chem.

Jungersen, Dr. H., Lecturer of Zool. at the Royal Polytech. Sch. of Copenhagen, 36, Sölvgade, K., Copenhagen. Zool., Comp. Anat., Anthozoa.*

Kiærskou, Hjalmar, Inspector of Botanical Mus., and teacher of Bot. at the Royal Polytechnical School, Botanical Garden, Copenhagen.

Bot. and Tech. Bot.*

Kjeldahl, J., Carlsberg Laboratory near Copenhagen. Chem. Krabbe, Dr. Harald, Lehrer der Anatomie u. Physiologie bei der k. Veterinärschule, Monradsvej 19, Copenhagen. Vet. Anatomy, Helmin-

thology.

La Cour, Poul, Lect., Inventor of the Phonic Wheel, Light Telegraph, Kratostate, etc., Askov near Vejen. Phys., Elect., Meteo.*

 Lange, A., Bot. Gardens, Copenhagen, K. Bot.
 Lange, Prof. Dr. Johan, Thorvaldsens Vej 5, V. Copenhagen. Member
 Roy. Acad. of Sciences, Editor of the "Flora Daniea." Bot. Wishes N. American plants, espec. trees and shrubs, in ex. for N. European and Greenland plants.*

Lassen, Prof. Dr. J.. Sortedamsgade 3, N. Copenhagen. Bot.

Levinsen, Marius G. R., Inspector, Dir. Dept. Worms, Mollusca, Echinodermata, Cœlenterata et Protozoa, Zool. Mus., Copenhagen. Worms, Radiates, Sponges, Polyzoa. Ex.

Lind, N., Ribe. Bot. Löffler, Dr. E., Prof. of Geog. at the Univ., Copenhagen, Lindevei 9.

Geog.*

Lotze, Gustav, Pres. Pharm. Assoc. of Denmark, Dir. Mus. of Antiquities, Odense. Bot., Hort., Min., Arch. C. Ex. Am. Antiquities for corresponding coll. of Danish in silex.

Lowzow, A. G., Slettegaard pr. Helsinge. *Bot*. Lundbeek, Will., Zool. Mus., Copenhagen. *Ent.*, *Coleopt*. C. Ex. Lütken, Christian F., Dr. Phil., Prof. Zoöl. and Dir. of Dept. of Vert. in the Zoological Museum, Univ. Copenhagen, Nörregade 10, Copenhagen. Gen. Zool , Palao., Cetology, Ichth.

Lynge, Herm., Gamle Kongevej 72, Copenhagen. Con. C. Ex.* Madsen, H. P., Vesterbro Apothek, Copenhagen. Bot.*

Madsen, Victor, State Geol., 10 Kastanievej, Copenhagen. Palaco., Glacial Geol., Moll., Protozoa. C. Ex.*

Mathiesen, Jens, Korsoer. Bot.

Meinert, Dr., Kong Georgs Vej 19, Copenhagen.

Mentz, A., Copenhagen. Bot., Anat. Moltke, E. G., Norager pr. Ruds Vedby. Bot.

Mortensen, H., Jonstrup pr. Ballerup. Bot. Nielsen, P., Tystofte pr. Skjelskör. Bot. Nielsen, Victor, Member British Ast. Assoe., Privat-Observatoriet, Copenhagen, V. Selenographical and Astropholographical Purposes.*
Nyeland, S., Vilvorde pr. Charlottenlund. Bot. Gardening.

Olsen, Carl, Zool. Gardens, Copenhagen, F. Bot. Ottesen, L. O. C., Jagtvej 81, N. Copenhagen. Bot.

Pechyle, Dr., Observatory, K. Copenhagen. Ast.

Pedersen, N., Norager Vaaseskov pr. Ruds Vedby. Bot. Pedersen, Prof. R., Bot. Garden, Copenhagen. Veg. Physial.

Petersen, Daniel E., Christiansholm, Valby. Bot.

Petersen, Dr. C. G. Joh., Dir. Marine Biol. Station of the Danish Gov't., Copenhagen. Zool., Fishes, Moll.*

Petersen, O. G., Bot. Lector, Mynstersvei 12, Copenhagen, V. Bot.*

Petersen, Dr. Peter C. J., Prof. at the Univ., Copenhagen. Math.*

Petersen, S., Slotsbjergby pr. Slagelse. Bot. Petit, E., Harsdorfsvej, N. V. Copenhagen. Bot.

Piper, H. A. T., Hjorte-Apotheker, Gothersgade, Copenhagen. Bot. Posselt, Henrik J., Asst. Zool. Mus., Univ., Copenhagen. Ichth., Moll., esp. Cephalopods. C. Ex.*

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Poulsen, J. C., Odense. Bot.

Poulsen, Viggo A., Ph.D., Rosenvængets Hovedvej 29, Copenhagen. Bot.

Prytz, C. V., Prof. Forestier, 19, Valdemarsgade, Copenhagen, V. Silvi-

cultur, Econ. Forestry.*

Prytz, Prof. P. K., 12 Falkonergaardsvej, Copenhagen, V. Phys.*

Rasch, C., M.D., Graabrodretorv 5, Copenhagen, K. Bot., Marine Alga.

C. Ex. Wishes Alga in ex. tor N. European Algae.

Raunkior, C., Villa Sophiesminde pr. Charlottenlund. Bot., Biol. of the

Phanerogames, Myxomycetes, Fungi.*

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Rosenberg, Caroline, Hofmansgave pr. Otterup Station. Bot: Alga. Rosenvinge, J. L. A. Kolderup, Bot. Museum, Copenhagen. Bot: Alga.*

Rostrup, E., Prof. Bot., Corenhagen, V. Bot: Fungi.*
Rostrup, O., Copenhagen, V. Bot., Mycol., Seed control.*
Rudmose, N., Nylandsvej 3, Copenhagen. Bot.
Rung, G. A., St. Kongensgade 85, Copenhagen. Meteo.

Rützon, Sophus, Docent, Osterbrogade 3, Copenhagen. Bot., Pharmacognosi.*

Salomonsen, Dr. Carl Jul., Höjbroplads 9, Copenhagen, Prof. of Medical Bacteriology, Univ. of Copenhagen.

Sarauw, Georg F. L., 24 Frederiksberg Allée, Copenhagen, V. Forestry, Veg. Physiol., Bot., Fungi, Veg. Palæo., Geol., Agric. Chem., Meteo., Zool., Herpetol., Arch., Philol.*

Schiotz, Th. B., Odense. Bot.
Schmidt, M. P., Hoeiskolehjemmet, Helgolandsgade, Copenhagen, V. Schmidt, Vald., Dvergetved pr. Kvissel. Bot.

Bot.
Seehusen, V. L., Copenhagen. Bot.

Steenstrup, Dr. Japetus S., Prof. Univ., Copenhagen. Zool., Geol. Steenstrup, K. I. V., of the Geol. Survey of Denmark, Forhaabningholms Alle 10, Copenhagen, V. Geol. of Greenland.*

Stockfleth, P. T., V. Rosenvængets Alle 15, Copenhagen. Bot.

Tauber, P., Copenhagen. Zool.

Thiele. Prof. Dr. Thorvald Nicolai, Observatory, Copenhagen. Ast.* Topsöe, Dr. Haldor, Inspecteur Royal des Fabriques, Prof. à l'Académie Militaire, Copenhagen, V. Chem., Crystal.

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Ussing, N. V., Doeent, Univ., Copenhagen. Min., Lithol.* Vestesen, B. Q., Copenhagen. Bot. Vestessen, C., Odensegade 13, Copenhagen, K. Inorg. Chem. Vilandt, Dr. Hans N. P., Ribe. Bot., Cuperaceæ, Fossils. C. Warming, Prof. Joh. Eug. Bülow, Ph.D., Dir. Botan. Garden, Copenhagen. Morphol., Phen. Bot., Arctic Plants, Phyto-geog.*
Wiinstedt, Dr. St., Fredriksgade 9, 1, Copenhagen, K. Bot. Winge, H. A., Zoological Mus., Copenhagen. Zool., Mam. Zahrtmann, Hans, Hornslet, near Aarhus. Bot., Insect fertilization. Zeuthen, Prof. Dr. Hieronymus G., Univ., Copenhagen. Math.

FINLAND.

Alfthan, A. E., Mag. Phil., Helsingfors. Econ. Geog. Appelgren, Dr. O Hjalmar, Conservator des Archeologischen Museums

zu Helsingfors, Arch.*

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Berghell, H., Geol. Survey of Finland, Helsingfors. Lithol., Archaan and Glacial Geol.

Bergroth, Dr. E., Tammerfors. Ent., esp. Hemipt.

Biese, Ernst, Dir. Meteorol., Centralanstalt, Helsingfors. Phys., Elect., Meteo.*

Blom, E. W., Tavastehus. Bot: Phænerogams.

Blomquist, Evors. Bot. Blomquist, Evors. Bot. Blomquist, Evors. Bot. Bockström, A. J. A., Dir. Statist. Central Bureau, Helsingfors. Statistics. Boldt, Ch. Em., Ph. Magister, Helsingfors. Bot., Geog. Dist.* Boldt, Robert, Ph.D., Annegatan 7, Helsingfors. Bot: Algæ, Desmids.* Bomansson, J. O., Aland, Saltvik. Bot.: Mosses.

Brenner, M., Schuldirector, Helsingfors. Bot. Brotherus, V. F., Ph.D., Helsingfors. Bot: Bryol., Mosses.*

Collan, Uno, Chemist, Helsingfors. Chem., Phys.*

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Donner, Prof Dr. Otto, Universität, Helsingfors. Philol., Anth. Dreijer, K. G., Observator, Helsingfors. Ast.

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Gynacol.*

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Freudenthal, Prof. Dr. Axel-Olof, Universität, Helsingfors. Philol. Frosterus, B., Ph.D., Geol. Survey of Finland, Helsingfors. Lithol., Archæan and Glacial Geol., Petrog.*

Grotenfel, Dr. G., Dir. Landw. Inst., Mustiala. Agric., Bacteriol. Hackman, V., Mineral. Inst. Univ., Helsingfors. Petrog.

Hammarström, Rudolf, Abo (Finnisches Lyceum). Phan. Bot., Geog. Dist., Hymenopt., Coleopt. C. Ex.

Heikel, Axel O., Dr. Phil., Intendent bei der Arch. Commission, Helsingfors. Arch.*

Heikel, Dr. Oskar, Helsingfors. Orn., Ool.

Heinrichs, Axel, Assist. d. Meteorol. Centralanstalt, Helsingfors. Meteo.

Heinricius, G., Dr. Med., Prof., Univ., Helsingfors. Gynæcology.* Hellström, Dr. F. E., Phil. Mag., Gamla Karleby. Hort., Vol., Lepid. C. Ex.

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Herlin, Ratael, Phil. Mag., Forstmester, Heisingtors. Geot., Bot. Hisinger, Baron Edward, Ph.D., Fagervik, Station de Karis. Bot: Fungi, Algæ, Mic., Orthop., Neuropt., Hort., Agric. Hjelt, Ed., Prof., Univ., Helsingfors. Org. Chem. Hjelt, Hj., Lector, Wasa. Phæn. Bot. Homén, Dr. W. Th., Doe. Univ., Helsingfors. Physics, Meteo. Homén, E. A. Th., Dr. Med., Prof. Univ., Helsingfors. Path., Anat. Hongberg, Dr. Emil, Helsingfors. Orn., Ool. C. of eggs of Finland. Ex.

Hult, R., Dr. Phil., Univ. Docent of Geog., Helsingfors, Pres. Geogr. Soc. of Finland. Phys. Geog., Geol. and Bot. Ex. maps, photogr., minerals, dried plants and rare materials of Finland for those of other countries, for the mus. of the Geogr. Soc. Ignatius, K. E. F., Dr., Senator, Helsingfors. Statistics, Geog. of Fin-

land.*

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Juslin, Edward, Helsingfors. Bot. Juslin, Fd., Dr. Phil., Helsingfors. Inorg Karsten, P. A., Ph.D., Mustiala. Fungi. Inorg. Chem.

Kihlman, Dr. A. Oswald, Docent, Univ., Helsingfors. Bot: Flora of Finland.*

Laurén, Dr. Walter, Helsingfors. Physiol.

Lemström, Prof. Dr. Charles-Selim, Univ., Helsingfors. Phys., Elect.,

Levander, K. M., Amanuens., Zool. Mus. der Univ., Helsingfors. Zool., Protozoa.*

Lindberg, Harald, Lojo. Bot. Mosses, Phanerog.

Linden, F. John H., Magister, Sortavala. Bot., Photog. C. Fx.* Linden, Dr. Werner, Med. Doktor, Provincialarzt, Kalajoki. Orn., Ool.*

Lûndén, Ossian, Wasa. Bot.

Mäklin, Hugo, Mech. and Elect. Engineer, Helsingfors. Phys., Elect.,

Malmgren, Prof. Dr. André-Jean, Gouverneur, Uleaborg. Zool., Fishery.

Mela, A. J., Lector, Helsingfors. Vert., Moll.

Melander, Dr. Gustaf, Docent, Univ., Helsingfors. Physics.*

Melander, Dr. Gustat, Docent, Univ., Helsingfors. Physics.*
Moberg, Charles Adolph, F. M., Bergmästare, Helsingfors. Geol.*
Moberg, K. A., Ex. Dir Geol. Survey, Helsingfors. Geol.
Montell, Justus E., Helsingfors, Mikælsgatan 2. Ent: Lepid.
Nervander, J. H. E., Ph.D., Wiborg. Bot.
Nordqvist, O., Inspector of Fisheries, Helsingfors. Zool., Vert., Crust.
Norrlin, J. P., Dr., Prof. Univ., Helsingfors. Bot., Lichens, Hieracium.
Palmén, Prof. Dr. Johan Axel, Prof., Dir. Zool. Mus., Sec. Geog. Soc.
of Finland, Helsingfors. Zool., Birds, Insects.
Palmén, K. E., Magister, Polytechn, Inst., Helsingfors. Technol.

Palmen, K. E., Magister, Polytechn. Inst., Helsingfors.

Petrelius, A., Ph. Mag., Lehrer, Polytech. Inst., Helsingfors. Ast., Geodesy.

Pipping, Hugo, Dr. Phil., Helsingfors. Philol., Phonetics.* Poppius, Altred, Ph.D., Abo. Ent : Lepid.* Qvist, E., Director Polytechn. Inst., Helsingfors. Tech., Chem.

Ramsay, Dr. W., Doc. Univ., Helsingfors. Min., Geol., Crystals. Renvall, T., Cand. Phil., Abo. Orn., Ool., Moll.* Reuter, Dr. Enzio, Helsingfors. Zool., Ent., esp. Lepid. C. Ex.*

Reuter, Jonatan, Ingénieur, Redacteur of "Teknikern," Helsingfors. Engineering, Technol.*

Reuter, Odo Morannal, Prof. d. Zool. a.d. Univ., Grâsviksgatan 6, Hel-

singfors. Hemipt. C. Ex.
Rindell, Dr. Arthur, Prof. Chem. Landw. Inst., Mustiala. Inorg. Chem.
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Roos, J., Kand. Phil., Fredrikshamn. Bot., Zool.

Rosberg, J. E., Magister Phil., Fredrikshamn. Phys. Geog., Glac. Geol.*

Sælan, Dr. Th., Prof., Helsingfors. Eot.

Sahlberg, Dr. John, e. o. Prof., Mikælsgatan 22, Helsingfors. Ent., European Lepid. and Hemipt., Coleopt. C. Ex.*

Saltzman, Fr., Prof. Dr., Generaldirector des Medicinalwerkes, Helsingfors.

fors. Surgery.
Sandman, J. A., Fil. kand., Adjoint des Fischerei-Inspectors, Helsing-

fors. Zool., Orn., Ool., Ichth. C. Ex.*
Schulman, Prof. Hj., Tammerfors. Zool., Geog. Dist., Orn., Morphol.,
Vert. Anat., Mammals, Neuro-Myol. C. Ex.*
Schulten, Dr. August, Docent, Helsingfors. Inorg. Chem.*

Schwindt, Dr. P. Theodor, Helsingfors. Finnish Ethnogr. Sederholm, J. J., Ph.D., Dir. Geol. Survey of Finland, Helsingfors.

Sederholm, J. J., Fh.D., Dir. Geol. Survey of Findana, Lithol., Archæan and Glacial Geol.*

Setälä, Dr. E. N., Prof. Univ., Helsingfors. Orig. Languages (Finland).

Solitander, Carl Probus, Intendent of Mines, Helsingfors. Geol., Meteo.*

Spoof, A. R., Dr. Med. and Chir., Abo, Finland. Gen. Biol., Vert., Anat., and Emb., Public Health; Acari, Worms.

Spoof, Wald, Secret, refer., Abo. Birds and Fishes.
Stenroos, Karl E., Cand. Phil., Helsingfors, Abrahamsgatan 9. Crust.,

Stenroos, Karl E., Cand. Phil., Heisingtors, Abrahamsgatan 5. Oraco, Orn., Coleopt. C.*

Stjernvall, Hugo J., Fil.-kand, Geol. and Bot., Borga. Phæn. Plants Ferns, Geol., Min., Photog. C. Ex.*

Strömborg, J. E., Lector, Borgā. Bot.

Sucksdorff, W. J., Dr. Med., E. o. Prof., Univ., Helsingfors. Hygiene.

Sundman, Gösta Consul. Birds' Eggs and Fishes of Finland.

Sundman, A., Dr. Med., Viborg. Orn.

Sundvik, E., Dr. Prof., Helsingfors. Physiological Chem., Pharmacol.

Thesleff. Artur. Gasverk. Helsingfors. Bot: Fungi. C. Ex.*

Thesleff, Artur, Gasverk, Helsingfors. Bot: Fungi. C. Ex.*
Tigerstedt, Axel Fredrik, M. E., Industristyrelsen, Helsingfors. Bot.,
Geol., Min., Metall., Lithol. C. Rocks and Minerals. Ex.*
Unonius, K., Lector, Helsingfors. Bot.
Wainio, Dr. Edw. A., Docent de botanique, Helsingfors. Phan. du Bresil.

Lichens. C. Warén, E., Dr. Med., Helsingfors. Zool.

Waren, E., Dr. Med., Reisingfors. Zoot.
Westerlund, Aulis, Cand., Helsingfors, Mikaelsgatan 8. Ent., Hymenopt.
Westermarck, Dr. Edward, Lecturer (Docent) on Sociol., Univ., Andrégatan 7, Helsingfors. Sociol., Ethnol.*
Wilk, Prof. Fred. Joh., Helsingfors. Crystall., Min., Geol.
Wickström, D. A., Fil. Mag., Assist. Univ., Helsingfors. Zool.
Zidbäck, Herman, Magister, Uleåborg. Bot., Orn.*

FRANCE.

Abbadie, Antoine d', Mem. Acad. Sci., 120 rue du Bac, Paris. Geog., Navigation, Geodesy, Ast., Philol., Psychol.*

Abeille de Perrin, Elzéar, rue de la Bibliothèque 24, Marseille. Pal-

earctique Ent., Hymenopt., Dipt., Coleopt., Hemipt., Orthopt., Neuropt. C.

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Arnaud, Prof. de Chimie, rue de Buffon 63, Paris. Org. Chem. Arnaud, Francois, Barcelonnette (Basses-Alpes). Strat. Geol., Arch. C.

Arnaud, H., Avocat, rue Froide, 23, Angoulême (Charente). Géol. Artutel, Joseph, 20 boulevard Banon, Marseille. Moll. C. Ex. Arvet-Touvet, Gières (Isère). Bot: Hieracia.

Aubert, Edouard, Admin. du Mus. d'Hist. Nat., Prés. du Tribunal de

Paix, rue Franklin 75, Angers. Lepid. C.* Aubert, Ephrem, Prof. au lycée Charlemagne, 62, rue Claude-Bernard,

Paris. Physiol., Veg.* Aubert, Ingénieur des mines, Valenciennes. Geol., Palæo.

Auclair, André, rue de la Fraternité, Moulins (Allier). Con.

Audollent, Paul, rue Mornay 5, Paris. Gen. Ent., Anat., Physiol. Ault-Dumesnil, (d'), r. de l'Eanette, 1, Abbeville (Somme). Géol. Auvert, Georges, Saint-Denis-en-val, près Orléans (Loiret). Coleopt.

Bacle, Louis, Ingénieur des Mines, ancien élève de l'Ecole Polytechnique, 57, rue de Chateaudun, Paris. Phys.*
Baer, Gustave Adolphe, Trévise 13, Paris. Coleopt.

Balbiani, E. G., Paris. Emb., Insects, Infusoria.
Balguerie, Alfred, cours du Jardin public 84, Bordeaux. Palæo, Con., Petrog., Min., Geol.

Barbiche, L'Abbé, Curé to Pontoy (Lorraine). Bot., Con. Barbier, Ch., rue de la Goutte d'Or 61, Montmartre, Paris. Coleopt.

Bardin (l'abbé), rue Branlt, 21, Angers (Maine-et-Loire). Géol. Baret, Charles, Ex-Vice Pres. de la Soc. Française de Min., Place Delorme

2, Nantés (Loire Inferieure). C.*

Barct, Louis, place Delorme 2, Nantes. Ent., Hemipt. Barla, Jean Baptiste, place Garibaldi 6, Nice. Bot., Mycology, Ichth.

Baron, Gustave, rue de Maurepas, 4, Versailles. Barrois, Dr. Charles, Prof. à la Faculté des Sciences, Lille.

Barrois, Prof. Jules, au Cap Brun à Toulon. Emb.* Barrois, Dr. Théodore, 220 rue Solferino, Lille. Crust., Echinodermes, Galles des plants.

Barthe, Prof. Eugène, Director "Miscellanea Entomologica," Ancienne route du Teil, Montélimar, Drôme. Ent., Coleopt. C. Ex. Barthélemy, Francois, 22 rue du Faubourg des Trois Maisons, Nancy.

Anth., Arch., Ethnog.*

Bastit, Eugène, Dr. ès sciences, Chateau-Thierry (Aisne). Bot.

Baume Pluvinel, A. de la, rue de la Baume, Paris. Phótog., Ast.*
Bavay, Prof. à l'École de Médicine Navale, Grand rue 45, Brest. Conchology, Herpetol., Helminthol. C. Ex.

Beaugay, Ingénieur des mines, Bordeaux. Geol., Petrog. Beauregard, Dr. Henri, Rue Guy Lussac 56, Paris. Ent., esp. Cantharides. Beauvisage, Georges, Dr. en Méd., Prof. agrégé, chargé du cours de Bot. à la Faculté de méd. de Lyon, rue Bouchardy 15, Lyon. Med.

Bot. a la Facilite de lieu, de Lyon, rie Bouenardy 19, Lyon. Med. Bot., Phæn. Plants. C. Herbier et Jardin bot.
Bedel, Louis, rue de l'Odéon 20, Paris. Coleopt.
Bellerade, Bial de, place Henri IV., Bordeaux. Coleopt., Ent. C. Ex.
Belon, Prof. Paul, place St. Michel 4, Lyon (Rhone). Coleopt. C. Lathridiidæ and Longicorns of the globe. Ex.

Beltremieux, Edouard, rue des Jardins, 42, Rochelle (Charente-Inférieure). Geol.

Berchon, Dr. Ernest, 96 Court Jardin public, Bordeaux. Zool., Geol.,

Anth., Arch., Med. C. Ex.
Bergeron, J., Dr. ès sciences, Boulevard Haussmann, 157, Paris. Geol., Palæo.*

Bernard, Felix, Asst. au Mus., 22, rue de l'Odéon, Paris. Geol.

Bernard de Montessus, Ferdinand, Dr., Prés. Soc. des Sciences Naturelles de Saône-et-Loire, et de la Société française d'Orn, à Lyon, Chevaue Saone-et-Loire, et de la Societe trancaise d'Orn, a Lyon, Chevalier de la légion d'honneur, Chalon-sur-Saône (Saône-et-Loire); Musée d'Orn. d'Europe, etc., à Châlon. Palæo., Geol., Min., Orn., Ent., Lepid., Coleopt. C. Ex.

Berthelin, Georges, rue de Vaugirard, 31, Paris. Invert. Palæo., Moll. (Continental, Rec. and Fossil), Protozoa (Foraminifera, Rec. and Fossil). C. Ex.*

Berthoumieu, Victor, Bayet, St. Pourçain (Allier). Ent. Hymenopt., Ichneumonidæ). C. Ex.

Bayentot M. 16 ene des Chappines. Bayeny, Calvados. Phan and Cavat.

Bertot, M., 16 rue des Chanoines, Bayeux, Calvados. Phan. and Crypt. Plants. Alga. C. Ex. Bertrand, Dr. E. J. H., Consenvoye, Meuse. Ent., Coleopt.

Bertrand, Léon, Agrégé de l'Univ., rue Berthollet, 4, Paris. Géol.

Bertrand, Marcel, Ingénieur en chef des mines, rue de Rennes, 101, Paris. Geol.

Besnard, rue des Ursulines 16, Le Mans (Sarthe). Orn.

Bétencourt, Alfred, 58 rue d'Outreau à Boulogne-sur-mer, Dir. du Laboratoire du Portel (Pas-de-Calais). Hydraires, Bryozoares.

Bezançon, Alphonse, Docteur en médicine, rue de Tournon, 29, Paris. Geol.

Bigot, Chargé du cours de Géol. à la Faculté des Sciences de Caen (Calvados). Géol.

Bigot, J. M. F., rue Cambon 27, Paris. Ent., Dipt. Bigourdan, G., Paris. Ast. Billaud, à Paris, rue Notre Dame de Lusette 39. Orn.

Billiet, P., rue de la Poudrière 1, Clermont Ferrand. Bot. Binet, Alfred, Dir-adjoint du lab. de Psychol. de la Sorbonne, Paris, 29 rue Madame, Paris. Gen. Biol., Invert. Anat., Anth., Ent., Hymenopt., Lepid., Dipt., Coleopt., Hemipt., Orthopt.

Binot, Jean, 22 rue Cassette, Paris. Histol., Coleopt., Hemipt. C.* Blanc, Edouard, 122, rue de Grenelle, Paris. Phan. and Crypt. Bot., Phys. Geol., Meteo., Zool., Gen. Biol., Geog. Dist., Morphol., Anat., Arch., Eth., Ethnog., Ent., Coleopt. C. Blanchard, Emile, Prof. d'Ent. Mus. d'hist. nat., 34, rue de l'Université,

Paris.*

Blanchard, Dr. Raphaël, Prof. agrégé à la Faculté de médicine, Sec. géneral de la Soc. Zool. de France, rue du Luxembourg 32, Paris. Comp. Anat., Animal and veg. parasites of men and animals. Prepares a monograph of Leeches, and wishes to receive samples marine, terrestrial or of soft water from every part of the world.*

Blavy, Alfred, Nationale 21, Montpellier. Ent.

Bleicher, Marie Gustave, 9, Cours Leopold, Nancy. Anth., Arch., Ethnog., Strat. Geol., Invert. Palæo., Lithol.

Bleuse, Léon, 125 Avenue du Mail d'Onges, Rennes. Coleopt. of Europe and vicinity, and lepid. of dept. of Ille and Vilaine. Offre des livres d'histoire naturelle.*

Bocourt, F., Mus. d'Hist. Nat., Paris. Reptiles, Fishes. Bois, Désiré, Assistant de la Chaire de culture au Muséum d'hist. nat., rue Cuvier 57, Paris. Plantes utiles, Phæn. Plants, Hort.*

Boissellier, Rochefort-sur Mer (Charente-Inférieure). Geol. Bonaparte, le prince Roland, Cours-la-Reine, 22, Paris.

Bonhoure, Alph., Boulevard Haussmann 82, Paris. Coleopt.

Bonjour, Samuel, Passage St. Yves, No. 23, à Nantes (Loire Inf.).

Bonnet, Dr. Edmond, préparateur de bot. au Mus. d'hist. nat., Paris. Bot. Bonnier, Gaston, Prof. à la Sorbonne, 15, rue de l'Estrapade, Paris, et Dir. du Laboratoire de Biologie végétale de Fontainebleau (Seine et Marne). Bot.*

Bonnier, Jules, 75 rue Madame, Paris, Sous-dir. du laborat. de Zool. de Wimereux, Pas-de-Calais. Crustacés Décapodes, Schizopodes, Cu-

macés, Isopodes, et Amphipodes. Ex.

Bontan, Dr. Louis, Maître de conférence à la Fac. Sci., Lille. Moll. Bony de Lavergne, Raymond de, 25 rue de St. Petersburg, Paris. Palæo.

Bornet, Ed., Membre de l'Institut, Quai de la Tournelle 27, Paris. Bot., Alge.*

Bouat, Gustave, Secrétaire de l'Académie d'Aix-en-Provence. Bot.* Bouché, l'Abbé Jean, Curé de Viziele (Isère). Coleopt.

Boudier, Emil, 22 Rue de Gretry, Montmorency (Seine-et-Oise). Bot: Fungi, Ent., Coleopt.

Bouláy, l'Abbé, D.Sc., Prof. à l'Université Catholique, Boulevard Vauban 127, Lille (Nord). Bot. C. Ex.

Boule, M., Agrégé de l'Université, Docteur ès Sciences, Mus. d'Histoire

naturelle, rue Lacépède 17, Paris. Geol., Palæo., Vertebrates.* Boullet, Eugène. Corbie (Somme). Lepid. du globe. C. Ex.

Bourgeat, (l'abbé), Prof. à l'Inst. catholique de Lille (Nord). Geol. Bourgeois, Léon, 1 rue du Cardinal Lemoine, Paris. Min., Crystal., Lithol., Inorg. Chem.

Bourru, Dr. H., rue Victor Hugo, Rochefort-sur-mer, Charente-Inférieure. Nat. Sci., Clinique Medicale.

Boury, Eugène de, Théméricourt par Vigny (Seine et Oise). Eocene Fossils, Mathildia, Scalaria, Acirsa, recent and fossil. Living shells from Gulf of Gascovne and fossils of the basin of Paris for ex. for Scalaria, books on Scalaria, etc. Scalaria and coeene fossils of Alabama, U.S.A.

Boutroux, Léon, Prof. à la Faculté des Sciences de Besançon. Bacterial

Fermentations.

Bouvier, E. L., Prof. agrégé à l'Ecole supérieure de pharmacie de Paris, 39 rue Blaude Bernard, Paris. Zool., Anat., Crust., Moll.

Bouzereau, Malifert, à Menrsault Côté d'Or. Lepid.

Brabant, E., Château de l'Alouette, Escandœuvres, près Cambrai. Lepid.

Branly, Edouard, D. S., M.D., Prof. de Physique à l'Inst. Catholique de

Paris, ave. de Tourville 21. Phys.

Brau de Saint-Pol Lias, M. F. Xavier, J. J. H., Explorateur chargé par le Gouvernement Français de Missions Scientifiques en Malaisie et en Indo-Chine, rue de Passy 47, Paris. Ethnog., Anth., Zool.,

Bréon, Eugène, Semur (Côte-d'Or). Geol.

Breton, Chef de section en retraite de la Compagnie du chemin de fer de l'Est, boulevard Victor Hugo, 3, Bar-sur-Aube (Aube). Geol. Briard, Pierre, Troyes, Rue Grosley 7 bis. Bot: Phan. and Crypt. Plants.

Brocard, M. E., rue de la Lue 9, Besançon, Doubs. Prés. de la Soc. des Ornithologistes de Frandre Comté. Orn. C. Ex.

Brongniart, Charles, du Muséum d'Histoire Naturelle, rue Linné 9, Paris. Zool., Palæo., Bot. C. Fossils of the Carboniferous, Insects, and Fishes. Ex.*

Bruant, Georges. boulevard St. Cyprien, Poitiers. Bot., Hort.*

Brun-Buisson, Francisque, Dr. Med., Voiron (Isère). Bot., Fungi., Hort., Photog.

Bruycker, Pol de, M. E., Geologist, 26 ave. Marceau, Paris. Geol., Min., Lithol., Metall., Physics, Geog. Dist., Anth., Eth., Ethnog. Bureau, Edouard, Prof. de Bot. au Mus. d'hist. nat., Paris. Bot.

Busquet, Dir. des houillères, La Machine, near Decize (Nièvre).

Veg. Palæo.*

Buysson, Henri du, Château du Vernet, Broût-Vernet (Allier). Bot., Ent., Coleopt. (spec. Elateridæ), Orthopt., Hymenopt., Dipt., Hemipt. C. Ex. French specimens for American.*

Buysson, Robert du, Château du Vernet, Broût-Vernet (Allier). Bot., Ent., Hymenopt. (special, Chrysididæ of the world), Crypt. C. Ex. French specimens for Amer.

Cadiat, L. O., Prof. agrégé à la Fac. de Médecin, Paris. Emb., Vert.

Caignait de Sauley, Henri, Coulommiers. Paleo. C. Calais, Jean, à la Librairie B. Visconte et Cie, 2 rue du Cours, Nice (Alpes-Maritimes). Ichthyol. Callot, Louis, Marseille, 31 rue des Trois Mages. Bot.

Cambournac, Simon, boulevard de la Gare 14, Narbonne, Aude. Coleopt. Camus, E. G., Pharmacien de lère Classe, Lauréat de l'Inst. de France (Académie des Sciences), Sec. de la Société Bot. de France, 58 Boulevard St. Marcel, Paris.*

Canu, Dr. Engène, Chef des travaux zool. à la Station Agricole de Bou-

logne-sur-Mer. Fishery Industries, Marine Fish Culture, Emb. of the Fishes, Copépodes. C. Ex.*

Caralp, Maître de conférences à la Faculté des Sciences, 22 allée St. Etienne, Toulouse (Haute-Garonne). Geol.

Caraven Cachin, Alfred, Séc. de la Commission des Antiquités du Tarn,

Salvagnac (Tarn). Geol.

Cardot, Jules, Stenay (Meuse). Bot. C. Ex. Musci of Europe for those of the world, and especially of America. Determinations.*

Carez, Léon, Docteur ès-sciences, avenue Hoche, 36, à Paris. Strat. Geol.*

Carnot, Adolphe, Prof a l'Ecole Supérieure des Mines, 60 Boulevard St.-Michel, Paris. Geol., Min., Chem., Metall.*

Carret, l'Abbé Autoine, Aumônier, Chartreux, Lyon. Ent., Coleopt. C.

Carrière, Attaché à la Carte géologique d'Algérie (Oran), 2, rue des Chapelins, à Nîmes (Gard). Geol.

Castanier, Justin, Sorede, Pyrénées Orientales. Bot., Caullery, Maurice, Agregé-Préparateur de Zool., École Normale Supérieure, Paris. Zool., Gen. Biol., Geog. Dist., Morphol., Emb., Histol. Tunicates.*

Caumont,—, Instituteur, rue Pingré, Amiens (Somme). Bot. Cayeux, Préparateur à l'École des Mines, 60, boulevard Saint-Michel, & Paris. Geol.

Cazalis de Fondouce, Paul, Ing., 18, rue des Etudes, Montpellier. Anth., Arch., Eth., Ethnog. C.*

Caziot, Eugene, Capitaine d'artillerie, Avignon. Invert. Palao., Con., Malacol., Moll. (L. and Sea Shells). C. Ex.* Certes, A., 7 rue des Grands Augustins, Paris. Infusoria, Oyster Para-

sites.

Chabrié, Dr. C., Chef du Lab. Physiol. Chem., Hôp. Necker, Paris-Chemist.*

Chadenat, Ch., 17 quai des Grands Augustins, Paris. Librairie Americaine, Livres, Gravures, Cartes, etc. Publie " Le Bibliophile Américain." Catalogue à prix marqués.*

Chalande, Henri, rue des Couteliers 51, Foulouse, Haute Garonne. Bot. specimens from the Pyrenean region to exchange for land shells of

any country.*

Chaper, Maurice, Ingénieur, Aucien Prés. de la Soc. Zool. de France, Membre des Soc. Géol. et Min., rue St. Guillaume 31, Paris. Mollusks, Invert. Palao. C. fossil invert. and living mollusks. Ex.*

Charlois, A., Nice. Ast.
Charlois, A., Nice. Ast.
Chatin, Joannes, Prof. Dr., boulevard St. Germain 128, Paris. Irichina,
Insects, Hist.
Chelot, Emile, Licenciè ès Sciences, 82 rue Monge, Paris. Geol. Palæo.*

Cheux, Albert, rue Delaage 47, Angers. Meteo., Ast., Min., Ent., Lepid., Geol., Palæo. C. Ex. Chevallier, l'Abbé L., Précigne (Sarthe). Bot.

Chevillou, Capitaine, Officier d'Acad., Blois. Ent. Chrétien, Pierre, Rue de l'Etoile 32, Paris. Lepid.

Chudeau, R., Prof. à la Faculté des Sci., Besançon (Doubs). Geol., Min.* Claudon, Edouard. Ingénieur, boulevard d'Enfer 6, Paris. Chem., Min., Microbiologie.

Clément, Camille, 23 rue Roderie, Valence (Diôme). Photog., Physics. Cloez (Charles), Répétiteur à l'Ecole polytechnique, rue Guy de la Brosse, 9, à Paris. Geol.

Clos, Dr. Dominique, Faculté des Sciences de Toulouse. Bot. Cogit, E. et Cie, 49 Boulevard St. Michel, Paris. Microg., Bacteriol., Depôt des microscopes, Leitz.*

Collignon, Dr. Réné, 25 de Ligne, Cherbourg. Anth.

Collot, I., Professeur de Géologie à la Faculté des Sciences, rue Saint-Philibert, 51, à Dijon (Côte-d'Or).

Colomb, Georges, rue Claude Bernard 33. Paris. Bot.

Constant, A., Villa Niobé, Golfe-Juan (Alpes-Maritimes). European Lepid., spec. Microlepid., Hort. C. Ex.* Contejean, Charles L., Prof. hon. à Montbéliard (Doubs).*

Copineau, Charles, Membre de la Soc. Bot. de France, Juge au Tribunal civil, Doullens (Somme). Phan. Bot. C. Ex. (general).*

Coppet, Louis C. de, Ph. D., Villa Irène, rue Magnan, Nice. Crystall.,

Chem., Phys.*

Cordier, Henri, Prof. à l'École Spéciale des Langues Orientales Vivantes, et à l'Ecole Libre des Sciences Politiques, 3 Place Vintimille, Paris.

Corme, Maxime, Prof. au Mus. d'hist. nat., 27 rue Cuvier, Paris. Bot. Cosserat, E., Toulouse. Ast.

Cossigny, Ch., de Courcelles, par Clérey (Aube). Geol.

Cossmann (Maurice), Ingénieur en chef des services techniques au chemin de fer du Nord, rue de Manbeuge, 95, à Paris. Invert. Palæo., Moll. C. Ex.*

Cosson, E. Saint-Charles, Membre Acad. Sc., rue La Boëtie 7, Paris.

Costantin, Julien, 57 rue Claude Bernard, Paris. Bot., Fungi. C. Ex.* Cotteau, Edmond, Lauréat de l'Inst. de France, 4 rue Sedaine, Paris. Geog., Voyages.*

Cotteau, Gustave, Membre correspondant de l'Inst. de France, Auxerre (Yonne). Palæo., esp. Echinoderms. C. living and fossil echino-

derms for sale or exchange.*

Courchet, L., Prof. de Bot. à l'Univ. (Instit. de Bot.), Montpellier. Veg. Anat.*

Contagne, Georges, Rousset (Bouches du Rhone). Bot., Hort. (Bulbous and tuberous plants), Mollusks (L. and F. W. shells). C. Ex. Couvreur, Edmond, Chef. des trav. pratiques à la faculté des sciences de

Lyon. Physiol. comp., Anat. comp. Crettè de Palluel, Albert, au Château de la Vallée (Cotes du Nord). Orn.

Crié, Prof. à la Faculté des Sciences, Rennes. Bot., Veg. Palæo. Croissandeau, Jules, rue du Bourdon blanc 15, Orléans. Coleopt., Gallorhénans et Corses, Pselaphidæ, Scydmænidæ, Pausidæ, Clavigeridæ du globe.

Croix, John Errington de la, F.L.S., F.G.S., etc., etc., Explorer, 49 Ave. Bosquet, Paris. Geol., Min., Mining Engineering, Zool., Eth.,

Ethnog., Philol.

Croizier, Le Marquis de, 10 boulevard de la Saussaye, Parc-de-Neuilly, Paris. Bibliog., Geog. Dist., Arch., Ethnog., Philol.*

Crosse, Hippolyte, Directeur du Journal de Conchyliologie, rue Tronchet, 25, à Paris. Crozel, Georges, place de l'Hotel de Ville, Vienne (Isère). Geol., Palæo., Con., Crustacea, Anat., Gynæcol. C. Ex. L., F. W. and Marine Shells, Fossils and Mins. of France to exchange. Correspondence solicited.*

Cuénot, Lucien, Chargé de cours de Zool. à la Faculté des Sciences, Nancy (Meurthe et Moselle). Zool., Gen. Biol., Morphol., Emb., Invert. Anat., Histol., Radiates.*

Curtel, Prof. au lycée de Dijon, Dijon. Bot.

D'Achon, -, Chateau de Montevran (Loir et Cher). Coleopt. de France. Daffry de la Monnoye, Adalbert, rue du Cherche Midi 11, Paris. Ent.. Coleopt., Dipt., et Aviculture.*

Dagincourt (Em.), Docteur en médecine, rue de Tournon, 15, à Paris.

Dagrève, Antoine, 20 boulevard Diderot, Paris. Coleopt.

Daguillon, Prof. au lycée Janson-de-Sailly, 6, rue Le Kain, Paris. Bot.* D'Alamonville, C. Con., au Château de Manonville (Meurthe et Moselle).

D'Alzac, Jean Joseph Ulric, Marquis de la Douze, Chateau de Borie-Petit, par Périgueux (Dordogne). Bot.

Damour, A., rue Vignon, 10, à Paris. Geol.

Dangeard, P. A., Prof. de Bot., à la Faculté des Sciences, Directeur du Botaniste, 16 rue des Halles, Poitiers. Bot: Crypt. Plants, Fungi, Alga, Mic., Histol. C. Preparations microscopiques. Ex.

Daniel, Lucien, Dr. ès Sciences, à Chateau Goutier (Mayenne). Bot.

Dareste, Dr. Camille, rue de Fleurus, Paris. Teratology, Emb.

Daubrée, Auguste, Inspecteur général des mines, boulevard Saint-Germain, 254, à Paris. Geol.

D'Aubusson, Meagaud, à Paris, r. Poussin 36. Orn.

Dautzenberg, Philippe, Ancien Pres't de la Soc. Zool. de France, 213 rue de l'Univ., Paris. Mollusks C. Ex.*

Daveau, J., Jardinier en chef du Jardin Bot. de Montpellier. Mediterr. Flora.*

Davy, L., Ingénieur chef de service des forges de Trignac, à Chateau-

briant (Loire-Inférieure). Geol.
DeBedriaga, Dr. Jacques, Nice, Bd. de l'Impératrice 55. Herpetol. C.

Debierre, Chas., Prof. agrégé à la Fac. de Med., Lille (Nord). Mammals. De Cazanove, Joseph, Avize, Marne. Ferns, Photog., Zool., Orn., Ool. C. of Birds. Ex.

Decharme, Doct. ès Sc., Chevalier de la Legion d'honneur, Prof. de l'Univ. (en retraite), Officier de l'Instruction Publique, rue St. Louis 8, Amiens. Phys.*

Decœne-Racouchot, Alfred, Antoine (Luzy), Nièvre. Coleopt.
Degrange-Touzin, 13, rue Casteja, à Bordeaux (Gironde). Geol.
Dehérain, Pierre P., Prof. Mus. d'Hist. Nat., 1 rue d'Argenson, Paris.

Agric. Chem.

Delaby, Edmond, rue Amiral Courbet 10, Amiens. Coleopt.

Delachanal, Bénédiet, Chef. des travaux Chimiques à l'Ecole Centrale des Arts et Manufactures, 66 rue du Cardinal Lemoine, Paris. Chem., Physics, Areometrie.

Delacroix, Sous-Directeur du laboratoire de Pathologie végétale à l'Institut national agronomique, 18 rue Claude Bernard, Paris. Crypto-

Delafond, Frédéric, Ingénieur en chef des mines, à Châlon-sur-Saône (Saône-et-Loire). Geol.

Delage, Yves, Doct. en méd., Prof. Anat., Zool., et Physiol. comp. à la Sorbonne, Paris, av. des Gobelins 44. Palæo., Phys. Geol., Psycho-Physiol., Mic., Zool., Gen. Biol., Geog. Dist., Emb., Anat., Vert., Invert.*

Delagrange, C. J., Besançon, 57 rue Bersot. Coleopt., Lepid. du globe. Delante, Albert, Pharmacien, Authon-du-Perche (Eure-et-Loire). Bot., Phæn. Plants, Mosses, Ent., Coleopt. C. Ex. Delauncy, Felix J., Ministère de la Marine, Paris. Phys. Geol., Meteo.,

Ast., Coleopt.

Demaison, Louis, Archiviste Paléographe, rue Cérès 21, Reims. Ent., Lepid. C. Mammals, Birds and Rept.

Demarçay, Eugène, 74 rue de Courcelles, Paris. Chem., Physics.

Denans, Albert, Rue Chateauredon 25, Marseille. Mollusks, Postage Stamps. C. Ex. shells of Mauritius, Mediterranean. New Caledonia for species of the genera Cyprea, Marginella, Mitra, Cochlo-

Deniker, Dr. Joseph, Bibliothécaire du Museum d'Hist. Nat., 2 rue Buffon, Paris. Bibliog., Anth., Arch., Eth., Ethnog., Mammals. Depéret, Doct. ès Sciences, Chargé de cours à la Faculté des Sciences,

Lyon. Geol., Palæo.

Depping, Guillaume, Conservateur-adjoint à la Bibliothèque Ste. Geneviève, 14 rue Milton, Paris. Bibliog., Geog. Dist *

Dereims, Préparateur au Laboratoire de géologie de la Sorbonne, à Paris.

Desbordes, Henri, rue de Rennes 121, Paris. Coleopt.

Desbrochers des Loges, Jules, Entomologiste, Tours (Indre et Loire), 23 rue de Boisdenier. Curculionides et Brenthides du globe. Buy, sell and exchange.

Deschange, Emil, Entomologiste, Longuyon (M. Moselle). Lepid., Cocoons. Buy, sell or exchange.

Des Cloizeaux, Prof. Min. au Muséum d'Histoire Naturelle, rue Monsieur, 13, à Paris. Geol.

Deslandres, M., Paris. Ast. Deussault, Philibert, Dessinateur Géographe, rue de la Verrerie 67 et 71, Paris. Geog.*
Devaux, Henri, Maître de Conférences, à Bordeaux (Gironde).

Physiol.

Devéria, Jean Gabriel, boulevard Pereire, 15, Paris. Arch., Eth., Ethnog. Deyrolle, Gabriel, Naturalist de la Maison, "Les Fils d'Emille Deyrolle." 46 rue du Bac, Paris. Zool., Geol., Bot., Anat., Mic. C. of Coleoptera, Conchology, Lepidoptera, Mammals, Birds, Reptiles, Fishes, Osteology. Fossils, Min., Rocks, Optique Mineralogique.*

Ditte, Alfred, Prof, Chem. à la Faculté des Sci., de Paris, 9 rue du Val de

Grace, Paris. Min., Chem., Metall., Physics.
Dollé, Maurice, rue Chenizelles 2, Laon. Coleopt.
Dollfus, Adrien, rue Pierre-Charron 35, Paris. Crustacea, esp. Isopoda.*

Dollfus, Dr. Gustave, 45 rue de Chabrol, Paris.

Donckier, H., place Denfert-Rochereau 20, Paris. Ent., Livres d'Ent., Coleopt., Lepid. Vente et achat.*

Dorveaux, Dr., Bibliothécaire de l'Ecole de Pharm., 4 ave, de l'Observatoire, Paris. Bibliog.*

Donliot, Henry, Préparateur de Bot. (Anat.), Mus. d'Hist. Nat., 61 rue de Buffon, Paris. Bot.

Doumerc, Jean, Ingénieur civil des Mines, 25, rue Corail, Montauban (Tarn-et-Garonne). Geol. Doumerc, Paul, Ingénieur civil, rue Alsace-Lorraine, 36, Toulouse (Haute

Garonne). Geol. Douvillé, Henri, Ingénieur en Chef des Mines, Prof. de Palæo, l'École des Mines, 207, boulevard St.-Germain, Paris. Palæo., Geol.*

Dru, Léon, Ingénieur civil, rue Pierre-Charron, 60, Paris. Geol. Dubois, Dr. Raphaël, Prof. de physiol. générale et comparée à la Faculté des Sciences de Lyon; Membre de la Soc. de Biol., et de l'Acad.

phys. Méd. de Florence; Faculté des Sciences, Lyon. Gen., Biol * Dufour, Léon, Docteur ès sciences, Dir. adjoint du Lab. de Biol. veg. de Fontainebleau, Avon (Seine et Marne) à la Sorbonne, Paris. Bot.* Dupont, A., Château d'Alménèches par Alménèches, Orne. Ent., esp.

Coleopt.

Durand, Lieutenant-Colonel d'infanterie de l'Armée territoriale, avenue

Marceau, 45, Paris. Geol.

Duruy, Jean Victor, Membre de l'Inst. de France (Acad. Francaise,
Acad. des Sci. Morales et Politiques; Membre libre de l'Acad. des Inscriptions et Belles-Lettres), Auteur de Histoire des Romains, Histoire des Grees, Histoire de France, etc., etc., 5 rue de Médicis, Paris.

Dutilleul, Georges, Prep. Fac. Sci., Lille. Vermes.

Duval, Clotaire, Sec. Général de la Soc. d'Hort. de Melun et Fontainebleau, Fontainebleau (Seine-et-Marne). Bot.*
Edgecomb, Daniel W., 29 rue Boissiere, Paris. Mic., Ast.

Estourbeillon (Comte Régis de L'), 24 rue du Drezen, à Vannes. Arch. Euthyme, Le Frère, Inst. des Pétits-Frères de Marie, St. Genis-Laval

près Lyon. Coleopt., Min., Geol., Arch., Con. Exibard, J., cours Saleya 15, Nice, Préparateur Naturaliste, Médaille d'Argent à l'Exposition Universelle, Paris, 1889. Ichthyol. Faune du midi de la France, Oiseaux, poissons montés, crustacés, mollusques, cephalopodes, coquilles, reptiles, etc. Achat et vente.

Fabre, G., Inspecteur des Fórêts, 26 rue Ménard, Nîmes. Bot., Geol. Fabre-Domergue, Dr. ès Sci., 124 boulevard Montparnasse, Paris. Mic., Protozoa.

Fages, Réceveur de l'Enregistrement, Grenadi, H. Garonne. Ex.

Fairmaire, Léon, rue du Dragon 21, Paris. Coleopt., Hymenopt., Hemipt. of Europe. C .- Ex.

Fallot, Docteur en Méd., Dr. ès Sciences Nat., Prof. à la Faculté des sciences, Dir. du Mus. d'Hist. Nat., rue Turenne 56, Bordeaux (Gironde). Geol. Falsan, Albert. Saint-Cyr au Mont-d'Or (Rhône). Geol.

Farge, Dr. en Méd., Angers (Maine-et-Loire). Geol.

Fauconnet, Mary-Louise, à la Frette, prés Autun. Coleopt., spec. Longi-cornes of the World. C. Faupin, F., Officier d'Acad., Prof. des Sciences physiques et naturelles à

Faurot, Lionel, 4 rue de Commaille, Paris. Micro-Photog., Geol. Dist., Emb., Invert. Anat., Histol., Radiates, Sponges.

Fayol, H., Dir. Gén. de la Soc. de Commentry, 76 boulevard Malesherbes, Despire de la Soc. de Commentry, 76 boulevard Malesherbes, Payol. Paris. Geol., Palæo.

Félissis-Rollin, Jules, rue de Rennes 106, bis, Paris. Coleopt.

Fevre, Ingénieur des Mines, place de la Préfecture, 12, à Arras (Pas-de-Calais). Geol.

Fiévet, Gustave, Pharmacien de 1ère Classe, Membre de la Soc. Chim. et de la Soc. d'Hygiène 53, rue Réaumur, et 29, rue de Palestro, Paris.*

Filhol, Henri, Sous-Dir. du Lab. des Hautes Etudes au Mus. d'Hist. Nat., Paris. Vert. Palæo., Vert. Anat. C. Ex.*

Finot, P. Adrien P., 27 Rue Saint Honoré, Fontainebleau (Seine et (Marne). Orthopt. C. Ex.

Fischer, Dr. Paul, aide nat. au Museum, 68 boulevard St. Marcel, Paris. Moll.

Flahault, Charles, Prof. de Botanique à l'Université (Institut de Botanique), Montpellier. Crypt. Bot., Vegetable Anat., Physiol.* Fleutiaux, Ed., 1, Rue Malus, Paris. Coleopt., Cicindelidæ, Elateridæ.

C. Ex.
Fliche, P., Prof. à l'Ecole Forestière, 9 rue St. Dizier, Nancy. Bot., Geol., Veg. Palæo.
Flot, Docteur ès Sciences, Prof. au Lycée Charlemagne, Paris. Bot.

Fockeu, Dr. Henri, Préparateur à la Faculté de Méd., Lille. Galles des

plantes.*

Folin, Leopold-Guillaume-Alexandre, Marquis de, Membre de la Commission Scientifique des explorations sousmarines, de l'Acad, Royale des Sciences de Lisbonne, des Naturalistes de Moscou, de la Société Impériale et Royale de Zool. de Vienne, etc., etc., Commandeur de l'Ordre Royale et Militaire du Christ, Chevalier de plusieurs orders, etc., etc., Biarritz (Basses Pyrenées).

Forcapel, A., Ingénieur à la Cie P.L.M., rue Ste. Praxède 11, Avignon.

Geol., Palæo.

Foucaud, J., Memb. de la Soc. Botanique de France, Jardin Botanique de la Marine à Rochefort-sur-mer. Flore de France et Muscari d'Europe.

Fournier, A., Préposé aux Collections d'Histoire Naturelle du musée de Niort (Deux-Sèvres). Geol.

Fouqué, Membre de l'Institut, Professeur au Collège de France, rue Humboldt, 23, à Paris. Gecl.

Fournier, E., rue de Marengo, 61, à Marseille. Geol., Anth., Préhist-Arch., Moll. C. Ex.*
Franchet, A., Cur. de l'herbier du Mus., 111 rue Monge, Paris. Bot:
Phæn. Plants.*

Frossard (Charles), Pasteur de l'Eglise réformée, à Bagnères-de-Bigorre (Hautes-Pyrénées). Geol.

Gadeau de Kerville, Henri, Rouen. Zool.* Gadeceau, Emile, Vice-Prés. de la Soc. des Sciences Nat. de l'Ouest de la France et de la Soc. d'Hort. de Nantes. rue des Hauts Pavés 11, Nantes, Loire-Inférieure. Bot., Phan. Plants.*

Gaillard, à Plouharnel, Morbihan. Antiq. Gain, Edmond, au Laboratoire de Biol. de Fontainebleau, Prof., l'Instit.

Commercial de Paris. Bot., Org. Chem.*

Gal Frères, Préparateurs Naturalistes, 1 promenade du Cours, Nice.

Oiseaux, Poissons, Cephalopodes, Coquilles, Reptiles, Crustacés, etc. Achat et vente.

Galichon, R., boulevard Haussmann 169, Paris. Ent., esp. Lepid.
Galichon, R., boulevard Haussmann 169, Paris. Ent., esp. Lepid.
Gallieni, Jos. Simon, Col. d'Infanterie de marine, Explorateur du Soudan,
St. Raphaël, Var. Phys. Geol., Meteo., Geog. Dist., Ethnog.
Gandoger, Michel, Arnas (Rhone). Bot: Phæn. and Crypt. Plants,
Ferns, Mosses, Fungi, Lichens, Algæ. Herbarium. Ex.
Gardin, Savinien, 42 rue de Verneuil, Paris. Bot., Ent.
Garnault, Dr. Paul, Chef des Travaux de Zool. à la Fac. des Sci., Bordaux. Ful.

deaux. Emb. Garnier, Jules Jacques, Auteur de la carte géologique de la Nouvelle-Calédonie, 14 rue de Berlin, Paris. Geol., Min., Lithol., Chem., Metall., Elect., Anth., Eth. Garrigou, Docteur en Médecine, rue Valade, 38, à Toulouse (Haute-

Garonne). Geol. Gauchery, Paul, Licencié ès Science Nat., laboratoire de Biol. Vég., Avon (Seine-et-Marne). Phan. Plants, Histol. Vég.*

Gaudry, Prof. Albert, Membre de l'Institut, Professeur de Paléontologie au Muséum d'Histoire Naturelle, rue des Saints-Pères, 7 bis, à Paris. Geol., Palæo.

Gaupillat, G., 13 rue Royale, Paris. Phys. Geog., Photog.*

Gauthier, V., boulevard du Lycée 21, Vanves (Seine). Palæo. (Echinidx).

Gautier, Hubert, 27 rue de Decize, Moulins. Lepid., Coleopt. C. Ex.* Gautier, Paul, Préparateur à la Faculté des Sciences, rue Ballainvilliers, 58, à Clermont-Ferrand (Puy-de-Dôme). Geol. Gave, L'Abbé, Contaminé sur Arve, Haute-Savoic. Phænerogams. Gavoy, Louis, 5 bis rue de la Préfecture, Carcassonne (Aude). Coleopt.

C. Ex.*

Gay, Hyppolyte, Membre de Comité d'Etudes de la Société Française de Botanique, Instituteur au Corso, par l'Alma (Algérie). Bot : Phæn. Plants, Hort. C. Ex. seeds.
Gay, N. F. François, Dr., Prof. à l'Univ., rue du Collège 7, Montpellier.

Bot ; Crypt. Plants, Alga, Micro-biol., Mic.

Gazagnaire, Joseph, Secrétaire général de la Soc. Ent. de France, 39 rue de la Clef, Paris. Invert. Anat., Hymenopt., Dipt., Myriop. Genreau, Ingénieur en Chef des Mines, à Clermont-Ferrand (Puy-de-

Dôme). Geol.

Gérard, Cl. Alb., Conserv. des Hypothèques, à Baume les Dames (Doubs). Bot. C.

Gérard, F., Prof., Châtel (Vosges). Bot.

Gervais, Paul, Prof. Comp. Anat., Mus. Nat. Hist., 57 rue Cuvier, Paris. Ósteol.

Giard, Alfred, Prof. à la Sorbonne, 14 rue Stanislas, Paris. Dir. du laborat. de Zool. de Wimereux (Pas-de-Calais). Annelides, Ascidies et Crustacés, Champignons parasites des Insectes.* Girard, Maurice, Prof. Entom. à l'Ecole d'agric. de Grinon, rue Guy Lus-

sac 28. Ent., Bryozoa, Emb., Nemertes.

Girardot, Docteur en Medecine, rue Saint-Vincent, 15, à Besançon (Doubs). Geol.

Girardot, Prof., 63 rue des Salines, Lons-le-Saulnier. Geol.

Giraudias, Louis, Receveur de l'Enregistrement, 12 rue Victor Hugo, Poitiers. Bot. C. Ex. Plants of western France in exchange for foreign and those of eastern Europe and the Mediterranean. Plantes des Pyrénées en échange de plantes de l'Europe oriental, de le Méditerranée et autres. Dir. de l'Association pyrenéenne pour l'échange des plantes.

Godet, August Alfred, Orange (Vaucluse). Bot: Phan. Plants.*

Gomont, Maurice, rue Notre Dame des Champs 27, Paris. Bot., Algæ.*

Goossens, Th., boulevard Richard Lenoir III, Paris. Lepid.

Gorceix, a Mont-sur-Vienne par Bujaleuf (Haute-Vienne). Geol. Gorceix, Ch., Capitaine du génie, rue Vanisot, 8, Bayonne (Basses-

Pyrénées). Geol. Gosselet, Professeur à la Faculté des Sciences, rue des Fleurs, 1, à Lille (Nord). Geol.

Gosselin, Edmond, Conserv. du Musée, Donai. Nat. Sci.

Goumet, l'Abbé, Professeur au Collège Saint-Paul, à Angoulême (Charente). Geol.

Gourdon, Maurice, Vice-Président de la Société Ramond, à Bagnères-de-

Luchon (Haute-Garonne). Geol.

Gourret, Paul, Prof. de Min. et d'Hydrol. (Ecole de Médicine), sous

directeur de la Station Zool., 24 rue de Lodi, Marseille.*
Gramont, Cte. Arnaud de, Paris, 81 rue de Lille, et Le Vignal par Pau (Basses Pyrénées). Geol., Min., Crystall., Lithol., Inorg. Chem.

Grand 'Eury, Cyrille François, 5 cours Victor Hugo, St. Etienne, Correspondant de l'Inst. de France. Bot., Veg. Palwo., Geol.*

Grandidier, Alfred, Membre de l'Inst. de France, Rond-Point des Champs-Elysées 6, Paris. Ast., Zool., Geog. Dist., Eth., Ethnog. Granel, M., Prof. de Bot. Médicale à l'Univ., Dir. du Jardin Bot. de

Montpellier.*

Granjean, route de Limoges 26, Moulins (Allier). Ent: Coleopt.

Grisard, Jules, Sec. de la Revue des Sciences Naturelles appliquées, Soc Nationale d'Acclimatation de France, rue de Lille 41, Paris. Bot., Hort , Bibliog., Arch.*

Grossouvre, de, Ingénieur des mines, Bourges (Cher). Geol.

Groult-Deyrolle, naturaliste, de la maison "Les Fils d'Emile Deyrolle,"
46 rue du Bac, Paris. Zool., Geol., Bot., Anat., Microg. Sells and Exchanges; Catalogues free on demand.*

Guépratte, L., 21 ave. Dumesnil, St. Mandé, Seinc. Lepid.

Guérin, Eugène, Vice-Prés. de la Soc. des Sciences Nat. de Mâcon, 23 quai du Sud, Mâcon (Saône-Loire). Coleopt., Hemipt., Lepid., Orthopt., Geol., Min., Numis., Moll., Praehist. C. Ex.*

Guerne, Baron Jules Germain de, Zoologist on board the yacht of H. H. the Prince of Monaco, rue de Tournon 6, Paris. Zool., especially invertebrates. C. Ex. Marine invert. in alcohol, deep sea and surface fauna, food of fishes and other marine animals.*

Guignard, Dr. Leon, Prof. à l'Ecole Supérieure de Pharmacie de Paris. Bot.

Guillaud, J. A., Dr., Prof. à la Faculté de médicine de Bordeaux, Bordeaux. Bot.*
Guillaume, M., Lyons. Ast.

Guillemin-Tarayre, Edmond, Ingénieur civil des Mines, rue Monsieur-le-Prince, 58, Paris. Geol.

Haller, Dr. Albin, Membre Correspondant de l'Acad. des Sciences et de l'Acad. nationale de médicine de Paris, Dir. de l'Inst. chimique de la Faculté des Sciences, 14, rue de Metz, Nancy. Chem.*

Hallez, Paul, Professeur à la Faculté des Sciences, rue de Valmy 9, Lille (Nord). Zool. C. Ex. Lower animals in alcohol, particularly Turbelleria, Nématodes, Bryozoaires. Hamonville, Baron Louis d', Conseiller-Général au Château de Manonville, par Noviant-aux-près, Meurthe-et-Moselle. Orn., Ool., Con. C. Buys or exchanges Trochilidæ in skin. Ex. birds' eggs of Europe and shells of France for exotics. Spec. Cypselidæ, Hirrundinidæ., Paradiseidæ.*

Hamy, Th. T. Ern., Prof. au Mus. d'Hist. Nat., Conserv. du Musée d'Ethnog., 40, rue de Lübeck, Paris. Anth., Ethnog.

Harmand, L'Abbé, La Malgrange, près de Nancy, Meurthe-et-Moselle. Phænerogams, Lichens.

Haug, E., Chef des travaux pratiques au Laboratoire de la Sorbonne, 2 rue Antoine-Dubois, Paris. Geol., Palæo. Hecht, Dr. E., rue Isabey 7, Nancy. Zool.

Heckel, Dr. Edouard, Prof. à la Faculté des Sciences et à l'Ecole de Médecine, Dir. du Jardin bot. et du Musée colonial, 31 cours Lieutaud, Marseille. Bot: Phan. Plunts, Mat. Méd. et Vég. C. Ex.*

Henneguy, L. Felix, Dr., Préparateur au Coll. de France, 9 rue Thénard,

Heronard, Edgard, Dr., Freparateur au Coll. de France, 9 rue Thénard, Paris. Gen. Biol., Emb., Ent., Protozoa.*

Héribaud, Frère, Clermont-Ferrand, Puy-de-Dôme. Phænerogams.

Héron, Rover, 22 rue de Cléry, Paris. Batrachia.

Herouard, Edgard, Dr. Sci., 1 rue du Pont de Lodi, Paris. Mic., Zool., Geog. Dist., Emb. Anat.*

Heulz, M., place de la Bastilla & Bonis.

Heulz, M., place de la Bastille 6, Paris. Lepid. Hollande, Prof. au Lycée, rue d'Italie, 17, Chambéry (Savoie). Geol. Hours-Humbert, Henry, Virien sur Bourbe (Isère). Coleopt.

Houry, Alphonse, Entomologiste, Mer (Loir-et-Cher). Gen. Ent., Photog., Geol., Min., Con. C. Ex. Coleopt., Lepid., Hymenop., Hemipt., Dipt., etc.

Hovelacque, Maurice, Docteur ès Sciences Naturelles, rue Castiglione, 1, Paris. Bot., Palao., Geol., Min., Lithol. C. Ex.*

Huber, J., Dr. ès Sciences, préparateur, Inst. de Bot., Montpellier. Bot: Alga.*

Huber, Wm, 58 rue de Courcelles, Paris. Glacial. Geol., Geog. Dist. Hue, l'Abbé A., rue de Cormeille 104, Levallois-Perret (Seine). Lichens.* Huet, Dr. L., Maître de Conférences, Caen (Calvados). Crustacea. Hyacinthe, Ribaut, rue St. Jacques, Moissac (Tarn-et-Garonne). Bot. C. Ex.

Itasse, Leon, rue de Copenhagen 6, Paris. Microg, Diatoms.

Jackson, James, Librarian Société de Géographie, boulevard St. Germain 184, Paris.

Jacquemaire, Miss Marie, Verdun (Meuse). Ent., Lepid. C. Jacquot, E., Inspecteur général des Mincs, rue de Monceau, 83, Paris.

Jadin, F., Chef des travaux à l'Instit. de Bot., Montpellier. Veg. Anat.* Janet, Charles, Beauvais (Oise). Invert. Palæo., Strat. Geol., Min., Crystall., Lithol., Zool., Morphol., Emb., Invert. Anat., Histol.,

Artic., Ent., Hymenopt. C. Geol.*

Janet, Léon, Ingénieur au Corps des Mines, 85, rue d'Assas, Paris. Palæo., Geol., Min., Crystall., Lithol., Chem., Metall., Phys.*

Jannel, C., boulevard de Strasbourg, 67, à Paris.

Jannettaz, Edouard, Maître de conférences à la Sorbonne, Asst. de Min. au Mus. d'Histoire Nat , boulevard St.-Germain, 86, Paris. Min.* Janssen, Jules, Dir. de l'Observ. d'Ast. Physique de Meudon (Seine et

Oise). Ast., Photog., Meteo. Jardon, Louis, Preparateur du Cours de physiol. générale et comparée á la Faculté des sciences de Lvon. Veg. Physiol. Jeanjean, Adrien, à Saint-Hippolyte (Gard). Geol.

Jouan, II., Cherbourg. Zool., Anth., Bot.*
Joubin, Dr. Louis, Prof. à la Fac. des Sci., Univ. de Rennes. Emb., Brachyop., Cephalop.

Jourdes, Raymond, Instituteur à Grandvilliers, par Damville (Eure).

Bot: Phæn. and Crypt. Plants, Ferns. C. Ex.

Jousset de Bellesme, Physiologiste, Dir. des Services de Pisciculture de la

Ville de Paris, Château de St. Jean à Nogent-le-Rotron (Eure-et-Loire).

Joyenx, C., rue de l'Est 13, Melun. Coleopt.

Joyeux-Laffuie, Dr. Jean, Prof. de Zool. et Physiol. Comp. à la Faculté des Sci. de Caen, Laboratoire Maritime de Luc-sur-mer (Calvados). Zool., Gen. Biol., Emb., Worms, Mollusks, Sponges. C. Ex. Julien, Alphonse, Professeur à la Faculté des Sciences, Place de Jaude,

40, à Clermont-Fernand (Puy-de Dôme). Geol.
Jullien, Dr. Jules, 16 rue St. Guillaume, Paris. Bryozoa.
Kerhervé, L. B. de, Licencié és-Sci., 21, rue du Cherche-Midi, Paris.
Zool., Ent., Coleopt. Crustacea. C. Ex.*
Kerviler, Ingénieur en Chef, Saint Nazaire. Arch., Bibliog., Autog.
Kieffer, Prof., Dir. adjoint du Jardin Bot., 22 rue Bibliothèque, Marseille.

Phæn. Plants, Hort. C. Ex.*

Kilian, W., Doct.-ès-Sciences, Prof. à la Faculté des Sciences, 11 bis,
Cours Berriat, Grenoble. Palæo., Cephalopodes, Geol. des Alpes. Collaborateur principale au Service de la carte géol. de France.

Klincksieck, Paul, 52 rue des Ecoles, Paris. Librairie des Sciences Naturelles.*

Kæhler, R., Route de Grenoble 68, Monplaisir, Lyon. Emb., Echino-derms.*

Kromm, F., Bordeaux. Ast.

Künstler, Dr. J., Prof. à la Faculté des Sci., Bordeaux. Zool., Protozoa. Icthth.*

Labonne, Henry, Dr. en méd., Licencié ès sciences, 18, rue de Médicis, Paris. Coleopt.

Laborie, Jules, Géom. expert, Anterrive par Auch. Gers. Géom.* Lacoste, Vital, Léonce, Prof. Départemental d'Agriculture, du Gers. à Auch. Phæn.

Lacroix, Adrien, r. Clémence St. Laure 1, à Toulouse. Orn. Lacroix, Alfred, boulevard Raspail, 219, à Paris. Geol.

Lacroix, F., Conserv. du Musée d'Hist. Nat., Macon (Saône et Loire). Bot : Phan. Plants, Ool., Moll., Sponges.

Lacvivier, C. de, Proviseur du Lycée, Pau. Geol. Lahille, Fernand, 41 Allée St. Etienne, Toulouse. Tunicata, Anat.

Lambert, J., Procureur de la République, St. Menchould, Marne. Echin. Lamothe, L. J. B. de, Lieutenant-Colonel d'artillerie, Commandant les batteries alpines, à Grenoble (Isère). Geol.

Landesque, l'Abbé, Curé, à Sermet, par Castelmoron (Lot-et-Garonne).

Geol.

Landolt, Dr. Edmund, rue Volney 4, Paris. Ophthalmology.*

Lantier, Dr. Etienne, Tannay (Nièvre), Créateur de l'Ecole Antiseptique Conservatrice, en 1870-71, à Paris à l'ambulance générale de l'administration des Postes. Medicine, Surgery. C. Ex.*
Larroque, Alex., St. Jean du Var (Toulon), route de la Valette. Coleopt.
Larrazet, Prof., rue des Fossés Saint Marcel, 13, Paris. Geol.
Lartet, Lonis, Prof. à la Faculté des Sciences, rue du Pont-de-Tounis 44,

Toulouse (Haute-Garome). Geol. Lasne, Henry, Ingénieur des Arts et Manufactures, rue Boileau 57, Paris.

Geol. Latteux, Paul, M.D., rue du Louvre 17, Paris. Min., Crystall., Mic.,

Histol. C. Ex. Launay, L. de, Ingénieur au Corps des Mines, 2, rue Pigalle, Paris.

Geol., Lithol. Lavarde, Roset de, Château d'Entumia, en Paramé (Ille et Vilaine), près St. Malo. Min., Moll., Palao., Zool.

Le Breton, André, boulevard Cauchoise 43, Rouen (S. I.). Mycologie (principalement de Normandie). Ex. et Achat d'ouvrages et de Mémoires sur la Mycologie générale et particulière.

Leclerc du Sablon, Doct.-ès-Sciences, Aide-naturaliste au ¡Mus. d'Hist. Nat., 1, rue Vauguelin, Paris. Bot. Lecomte, Alfred (l'abbé), Guillemont, par Combles (Somme). Coléopt.

C. Ex.*

Léenhardt, Franz, Prof. agrégé à la Faculté de théologie, faubourg du Moustier 12, Montauban (Tarn-et-Garonne). Geol.
Legré, Ludovic, rue Venture 11, Marseille. Phæn. Piants, Mosses.*
Legré, Urbain, boulevard Longchamp 2, Marseille. Lepid.*
Leignette, Adrien, Dr. ès sciences, 21 rue Tronchet, Paris. Veq. Physiol.

Le Marchand, Augustin, Ingénieur, Petit Quevilly, Seine-Inférieure. Geol.

Le Mesle, rue des Boulangers, 8, Paris. Geol. Lemoine, V., M.D., rue Soufflot, 11, Paris. Geol.

Le Monnier, Prof., Rue de la Pépinnière, Nancy. Bot.

Lennier, G., Conservateur du Mus., Havre. Geol., Palæo. Leprevost, Charles, rue des Journeaux 32, Paris. Coleopt., Lepid. Leriche, J. B., Directeur-propriétaire de "l'Auxiliaire de l'Apiculteur du Naturaliste," etc., rue Vascosan 19, Amiens (Somme), ou rue Legendre 148, Paris. Ent., Hymenop., Apidæ.*

Lesage, Pierre, Faculté des Sciences, Rennes. Bot., Anat.

Lescœur, Henri, Prof. à la Faculté de Médicine de l'Etat, à Lille (Nord).

Chem., Metall., Physics, Mic., Photog.
Le Senechal, Conservateur du Musée d'Hist. Nat., 6 rue St. Sauveur,
Caen. Zool., Crust.

Lesne, Pierre, Préparateur au Mus. d'Hist. Naturelle, 57 rue Cuvier, Paris. Ent.*

Lettellier, A. S. D., Prof. Hist. Nat. au lycée de Caen. Moll.

Letellier, Henry, Care of Letellier et Fils, Caen, Calvados, Nurserymen, Plant, seed, bulb, general hort. merchants, agents for foreign firms. Ex. or sell on com, every interesting new Hort, production. Bot., Hort., Geog. Dist. C. Ex.

Lethierry, Lucien, rue Blanche 46, Lille. Coleopt., Hemipt,, Hymenopt.* Léveillé, Albert, Archiviste-Bibliothécaire, Societé Ent. de France, rue du Dragon 10, Paris. Col. eur., alg. et tun.; Temnochilides exot.;

Hémipt.

Léveillé, H., Directeur du "Monde des Plantes," Revue universelle et bimensuelle de botanique, organe de l'Académie Internationale de Géographie botanique, 104 rue de Flore, Le Mans (Sarthe).* Lévèque, A., Prof., rue de l'Avalasse 39, Rouen. Macro-Lepid., Micro-

Lepid., et chenilles preparées. Lhote, II., Naturaliste, 31 rue de Clichy, Paris. Macro-Lepid., Micro-

Lepid., et chenilles preparées.*

Ligneris, Jacques, Marquis des, 240 rue de Rivoli, Paris. Hort., Chem.,

Physics, Elect., Photog., Anth.
Lignier, Prof. de Bot. à la Fac. des Sc. de Caen (Calvados). Bot., Anat., Linder, Inspecteur Gén. des mines, 38 rue du Luxembourg, Paris. Geol., Palxo.

Lirondelle, Vital, rue du Magasin à poudre 10, Donai. Sciences naturelles. Lloyd, James, rue François-Bruneau 15, Nantes, Loire-Inférieure. Bot. Locard, Arnould, Ingenieur civil, quai de la Charité, 38, Lyon (Rhône). Geol.

Lodin, Ingénieur en chef des Mines, avenue du Trocadéro 4, Paris. Geol.

Longchamps, Prof. G. de, Prof. de Mathematiques Spéciales, Lyceum of St. Louis, 9, Val de Grace, Paris. Math.*

Lorrain, Miss Louise, 13 place St. Martin, Metz. Bot.

Lory, P., Préparateur de géol. à la Faculté des Sciences, Grenoble (Isère). Geol.

Lucand, M. le Capitaine, 33, avenue de la Gare, Autun (Saône-et-Loire). Cryptogams.

Lustrac, André de, Licencié ès Sci. Nat. et en droit Prof. au Coll. St. Elme, Arcachon (Gironde). Bot: Phan. and Crypt. Plants, Bac-

teriol., Mic., Photog. Herbarium. Ex. Mabille, Prof. Paul, rue du Cardinal Lemoine, Paris. Ent., Lepid.,

Hesperides du globe. C. Ex.

Macé, E., rue du Puits 4, Vendome. Coleopt., Orthopt.

Madiot, V., Jussey (Haute-Saône). Phæn. Plants. C. Ex. Maës, É. Albert, r. des Landy 37 bis, à Clichy (Seine). Orn.

Magitot, Dr. E., Membre l'Acad. de Méd., 9, boulevard Malesherbes, Paris.*

Magnien, Lucien, Prof. d'Agriculture du Departement de la Côte-d'Or, rue Bossuet 10, Dijon. Agric.*
Magnin, Ant, Prof. à la Fac. des Sci., Besançon. Bot., Lichens.
Mailho, Prof. au Grand Séminaire à Pamiers, Ariège. Ex.*

Maillaird, Dr. Gustave, bibliothécaire du Musée d'Annecy (Hte. Savoie). Min., Geol., Petrology, Prehist. Arch., Anth., Numis., Con., Eth., Bibliog., Photog., Sigilligraphia. C. Ex.

Maisonneuve, Dr. Paul, Prof. de Zoologie à la faculté libre des Sciences, rue Volney 5, Angers.

Maitre, M. P., Marseilles. Ast.

Malaguin, A., Préparateur du Cours de Zool. à la Faculté des Sciences, Lille. Chætopodes.

Malinvaud, E., Sec. Gén, de la Soc. Bot. de France, 8 rue Linne, Paris.

Mallard, E., Inspecteur Gén. des Mines, Prof. à l'Ecole Nationale des Mines, 11 rue Médicis, Paris. Min.

Malvezin, J. E., route de Tulle, enclos du Bel-Air, à Anrillac. Bot. Mangin, L., Doct. ès Sciences, Prof. au Lycée Louis-le-Grand, 2 rue de la

Sorbonne, Paris. Bot., Geol. Mantin, Georges A., 54 quai de Billy, Paris, et Chateau de Bel-Air, Olivet (Loiret). Bot., Phæn. Plants., Hort., Orchids. C. Ex.* Maquenne, Dr., aide-naturaliste au Mus., rue de Buffon 63, Paris. Chem.*

Marçais, L'Abbé, Ed., Sec. Gén. de la Soc. française de Bot. et de la Soc. des Sciences physiques et naturelles de Toulouse, 19 rue Ninau, Toulouse. Bot.

Marchand, Eugène, Chemist, Membre de l'Académie de Medicine, Fécamp (Seine Inférieure). Agric., Chem., Hyg., Phys., Meteo.*
Marey, Dr. Etienne J., boulevard Delessert 11, Paris. Phys.*

Margerie, Emmanuel de, 132 ruc de Grenelle, Paris. Phys. Geol., Geog., Bibliog.*

Maricourt, Baron de, La Thierraye, par Souday (Loir-et-Cher). Arch., Moll., Orn., Ool., Lepid., Coleopt., Préhist. Relics, Postage Stamps.

Correspondence solicited. C. Ex.* Marion, A. F., Prof. à la Faculté des Sciences, Marseilles (Bouches-du-

Rhône). Zool., Bot., Veget. Palæo. Marmottan, Dr., rue Desbordes-Valmore 31, Passy (Paris). Ent. Coleopt.,

Marquis, Instituteur à Chevillé, par Brulon (Sarthe). Hymenopt. Marriott, P. William, M.D., Pavillon Ferraironi, Mentone. Bot. C. Martel, E. A., 60 rue Richelieu, Paris. Phys. Geog., Meteo., Arch.*
Martin, David, Professeur au Collège, à Gap (Hautes-Alpes). Geol.
Martin, Réné, au Blanc (Indre). Vert., Neuropt.

Martiniere, H. M. P. de la, en mission archéologique du Maroe, gouver-

nement francais, 9, Boulevard du Château, Neuilly sur Seine. Arch., Min Photog. C. Matheron, Ph., Ingénieur Civil, 86 boulevard Notre-Dame, Marseilles.

Geol., Palæo.

Mauduit, G., M.D., Crest (Drôme). Orn., Hemipt.

Maugin, Gustave O., rue du Pont des Pierres 22, Douai (Nord). Phan. Plants, Ferns. C.*
Maupas, E., Sous-bibliothecaire à Alger. Infusoria.

Mauricé, Charles, Docteur ès Sci. Nat., Prof. Univ. Catholique de Lille, Chateau d'Attiches, par Pont à Marcq (Nord). Embryol., Ascidians.* McAll, Robert W., D.D., F.L.S. (London), 28 villa Molitor, Paris. Bot.,

Physics.

Mégnin, Ancien Pres. Soc. Zool. de France, 6 avenue Aubert, Vincennes.

Megnin, Ancien Fres. Soc. Zool. de France, o avenue Aubers, i includes.

Acariens, Entozoaires, Parasites, en général.*

Ménard, Ernest, Prof. de Philos. au petit Séminaire de Montmorillon (Vienne).

Bot., Phæn. Plants, Fungi. C. Ex.

Ménard, St. Yves, Vétérinaire, Docteur en Médécine, Dir. de l'Institut de Vienne de Medécine, Dir. de l'Institut de Vienne de Medecine, Dir. de l'Alle de Medecine, Dir. de l'Alle de Medecine, Dir. de Medecine,

Vaccine animale; Prof. d'Hygiène industriellé et d'Histoire Naturelle appliquée à l'Ecole centrale des Arts et Manufactures, rue Balln 8, Paris.

Menegaux, Aug., Lab. M. Perrier, care of Soc. Philomathique, Paris. Moll.

Ménier, Chas., Prof. à l'Ecole de Médécine et de Pharmacie, 1 rue Prémion, Nantes. Crypt. Plants, Fungi; Hort., Photog.

Mer, Emile, Membre de la Soc. Nat. d'Agric. de France, Inspecteur des forêts à l'Ecole forestière, Nancy, 19 rue Israël Sylvestre. Bot: Phæn. and Crypt. Plants, Veg. Physiol., Silviculture.

Mercey, N. de, à la Faloise (Somme). Geol.

Mermet, Achille, Prof. Agrégé de Chimie au Lycée Charlemagne, Chef de Lab. à l'Ecole Centrale des Arts et Manufactures, 8 quai Henri IV, Paris. Chem., Metall., Physics, Elect., Mic., Photog., Bibliog., Arch.

Mesmin, Louis, Propriétaire, à Chez Gabillaud, Cne. de St. Barbant, (Hte. Vienne). Coleopt. d'Europe et circum. Mesnil, Felix, Inst. Pasteur, Agrégé-Préparateur à l'Inst., 25, rue Dutot,

Paris. Zool., Worms, Bacteriol.*
Meunier, St., Aide-Naturaliste au Mus. d'Hist. Nat., 7 boulevard St. Ger-

main, Paris. Geol., Lithol., Palæo. Michaud, Eugène, ave. de la Gare, Montlucon, Allier. Coleopt.

Michel-Lévy, Ingénieur en chef des mines, Directeur du service de la Carte geologique détaillée de la France, rue Spontini, 26, à Paris.

Millot, Adolphe, rue Claude Bernard 23, Paris. Colcopt., Lepid.*

Millot, Charles, rue Gilbert, 2, Nancy (Meurthe-ct-Moselle). Gen. Ent., Meteo.*

Milne-Edwards, Prof. Alphonse, C.M.Z.S., Jardin des Plantes, Paris. Miot, Henri, Officier de l'Instruction Publique, Membre à vie de la Soc. Ent. de France, Correspondant du Musée royal d'Hist. Nat. de Belgique, Juge d'Instruction au tribunal civil de Beaune (Cote-d'Or). Econ. Ent., Crustacea, living and fossil moll. C. Ex.*

Mitschnikoff, Elias, Pasteur Inst., Paris. Emb., Sponges, Orthomed.,

Cælenterata, Echinoderms. Monaco, S. A. S., Le Prince Albert de, 25 Faubourg St. Honoré, Paris. Meteo., Zool., Gen. Biol., Geog. Dist., Ichth., Crustacea, Worms, Moll., Radiates, Sponges, Protozoa, Hydrogrpahy and Maritime

Zool., Navigation, Deep sea sounding and dredging. C. Ex.*
Moniez, Romain, Prof. d'Hist. Nat. à la Faculté de Médécine, Lille. Helminthes, F. W. Entomostraea, etc.

Monnot, Edouard, Lyceum, Troyes. Coleopt.

Montano, Dr. en Med. et Dr. ès Sci. Nat. au Château de Gémil, par

Montastrue (Haute-Garonne). Anth., Geog.*

Montastrue (Haute-Garonne). Anth., Geog.*

Moreau, Féy (Lorraine). Bot., Ent.

Morel, Léon, Officier de l'Inst. Públique, etc., Reims, rue de Sedan 3.

Arch., Numis.*

Morgan, Ingénieur Civil des Mines, chez M. le comte de Saint-Martin,

ave. Victor Hugo, 26, Amiens (Somme). Geol.
Mortillet, Gabriel de, Prof. à l'Inst. anth. attaché au Musée arch., au chateau de Saint-Germain-en-Laye (Seine-et-Oise). Geol.

Motelay, Léonce, Membre de la Soc. Bot. de France, et Archiviste Bibliothécaire de la Soc. Linnéene de Bordeaux, etc., etc., cours de Gourgue, Bordeaux. Bot. C.

Mouillefarine, Ed., rue Saint-Anne 46, Paris. Bot. Univ. Herbarium.

C. Ex. in plants of all countries.*

Mouret, George, Ingénieur en chef des Ponts et Chaussées, 40 rue Mcl-

laise, Niort (Deux-Sèvres). Strat. Geol., Philos.* Munier-Chalmas, Sous-Dir. du Lab. de Géol. à la Sorbonne, Maitre de Conférences à l'Ecole Normale Supérieure, 75 rue Notre-Dame des Champs, Paris. Geol., Palæo.

Nachet, A., 17 rue Saint Séverin, Paris. Min., Lithol., Physics, Mic. Nadaillac, Albert, Marquis de, Correspondant de l'Inst., etc., 18 rue Du-

phot, Paris. Anth., Arch., Eth., Ethnog.*

Nadot, Armand, 42 rue de Verneuil, Paris. Phæn. Plants, Mosses, Hymenopt., Lepid., Coleopt., Hemipt., Orthopt., Neuropt. C. Ex.

Napoléon-Bonaparte (le Prince Roland), 22 cours la Reine, Plants. Geol.

Photog., Mêteo., Bibliog., Zeol., Geog. Dist., Anth., Eth., Ethnog.*
Naudin, Charles, Mem. Acad. Sci., Paris, Dir. du Lab. bot. de la Villa

Naudin, Charles, Mem. Acad. Sci., Paris, Dir. du Lab. bot. de la Villa Thuret. Antibes (Var.). Phæn. Bot., Hort., Agric., Meteo., Gen. Biol., Philol., Arboriculture. C.*
Neyraut, E. Jean, Emeloyé au Chemin de fer du Midi, 17 rne des Camps, Bègles (Gironde). Bot.: Phæn. and Crypt. Plants, Ferns., Mosses, Fungi, Lichens, Algæ, Desmids, Diatoms. C. Ex.* (Général).
Nicklès, René, Docteur ès Sciences, Ingénieur civil des mines, rue de Renge, 50 Paris, et à Dommertment près. Napur, (Munthe et Paris).

Rennes, 59, Paris, et à Dommartemont, près Nancy (Meurthe-et-Moselle). Geol. Nicolas, Dr. A., Prof. agrégé à la Faculté de médecine, Naney (Meurthe-

et-Moselle). Anat, Histol.*

Nicollon, E., Le Croisic (Loire Inférieure). Bot : Alga, Geog. Dist., Orn., Crust., Moll., Sponges. Nivoit, Prof. Ingénieur-en-Chef des Mines, 2 rue de la Planche, Paris.

Geol.

Nocl, Paul, Prof. des Sciences, Dir. du lab. regional d'Ent. Agric., route de Neufchatel 41, Rouen. Ent., Hymenopt.. Lepid., Dipt., Coleopt., Hemipt., Orthopt., Neuropt., Arach., Myriop. C. Ex.* Nolan, Lieut. d'infanterie breveté, à l'Etat-Major de la 27e Div., Grenoble

(Isère). Geol.

Nugue, l'Abbé A., à Couptrain (Mayenne). Coleopt., Esp. Genus Chrysomela. Desires to know some one who will exchange exotic beetles (Coleopt.) for French ones. Writes both English and French.*

Nylander, Dr. William, 61 passage des Thermopyles, Paris. Lichens.

Nylander, Dr. Wilnam, of passage des Intermopries, 1 ans. Dicheros. Oberreith, Maurice, rue Caumartin 24, Paris. Coleopt.

Oberthitr, Charles, Rennes (Ille-et-Vilaine). Ent., Lepid. Possède les collections de Boisduval, de Guence, de Graslin, de Constant Bar, de Bellier-de-la-Chavignerie, de Chr. Ward, etc. Public les Etudes d'Entomologie, ouvrage, avec planches coloriées, exclusivement devoué aux Lépidoptères ; Exchange of Lepid. from all parts of the world.*

Oberthür, René, Rennes (Ille-et Vilaine). Ent: Coleopt. C. Ex. Offre pour échange des Coleopt. de toutes les parties du monde. Possède les collections de Chaudoir (Carabicidæ), Steinheil, Rosenhauer, Thorey, Wehncke (Hydrocanthares), Mniszech von Harold, van Laensberge, Thomson, Gehin, de Bonvouloir, H. W. Bates, etc. rublie les Coleopterorum novitates.*

Odier, Georges, Polytech. School, 3 avenue du Coq, Paris. Coleopt.,

Hemipt., Lepid.

Œhlert, D. P., Conservateur la Bibliotheque, et du Musée d'Histoire Na-

turelle, 29, rue de Bretagne, Laval (Mayenne). Palæo., Geol.
Olivier, Ernest, Dir. de la Revue Scientifique du Bourbonnais et du
Centre de la France, Les Ramillons près Moulins (Allier). Bot.,

Centre de la France, Les Ramillons près Moulins (Allier). Bot., Herpetol., Coleopt., Hemipt., Orthopt. C. Ex.*

Oliver, Louis, Docteur ès Sciences, Directeur de la Revue générale des Sciences, 3ª rue de Provence, Paris. Gen. Biol.*

Ollivry, G., La Chapelle sur Erdre, Loire-Inférieure. Lepid.

Onésime, Frère, Prof. Pensionnat des Frères des Ecoles Chrétiennes, Montée St. Barthelemy 24, Lyon. Geol., Min., Zool. C.

Oustalet, Asst. au Mus. d'Histoire Nat., rue Buffon, 55, Paris. Geol.

Pagnoul, Dir. de la Station Agronomique du Pas-de-Calais, Arras. Agric., Chem., Meteo.

Panau, Ch., Verdun (Meuse). Phænerogams, Mosses.

Parâtre, Réné, Argenton-sur-Creuse, Indre. Herpetol. (Batrachians).

Parmentier, Général Théodore, 5 rue du Cirque, Paris. Ast., Philol. Parran, Alphonse, Ingénieur en chef des Mines, rue des Saints-Pères, 56, à Paris. Geol.

Passy, Dr. Paul Ed., rue de Longchamps 92, Neuilly-St. James. Physio-

logie du langage.*

Pasteur, Prof. L., Sec. de l'Institut, Paris. Hygiene.
Patou, Jules, la Chapelle Moche (Orne). Lepid.*
Patouillard, N., Pharmacien, Fontenay Sous Bois, près Paris. Fungi (exotic).*

Paulin, Médecin-Vétérinaire, St. Dizier (Haute Marne). Palæo.

Pavillot, Joseph, Lyon. Con., Coleopt. Exotiques, Lamellicornes, Longicornes.

Pelletan, Dr. Jules, Prof. Histol. et Mic., Univ. de Paris, rue de Lille 3, Paris. Dir. du "Journal de Micrographie." Bot., Chem., Mic., Zool., Gen. Biol., Emb., Anat., Articulates, Gen. Ent., Crustacea,

Worms, Moll., Radiates, Protozoa, Infusoria. C. Ex.*
Pelletier. Horace, Madon près Blois par les Montils; Officier d'Académie.

Bot., Ent., Magnetisme, Hypnotisme, Physique.*

Pérez, J., Prof. Zool. à la Faculté des Sci., rue Saubat 21, Bordeaux. Humenopt. Péron, Alph., Intendant militaire, Chalons-sur-Marne (Marne). Geol., Palæo.

Perrier, Remy, 84 Boulevard Montparnasse, Paris. *Histol.*Perrier de la Bâthie, Eugène, Baron, Prof. départ. d'Agric., Albertville,
(Savoie). *Bot: Phæn. Plants.*Peyerimhoff, P. de, 8 rue des Chanoines, Nancy (Meurthe-et-Moselle).

Coleopt., Hemipt. C. Ex.*

Peytoureau, Dr. A., Préparateur à la Faculté des Sciences, 28, Cours du Chapeau Rouge, Bordeaux. Zool.* Phisalix, Dr. C., Aide-nat., Mus. d'Hist. Nat., Paris. Hum. Emb.

Pichot, Pierre Amédée, Dir. de la Revue Britannique, 71 rue de la Vic-

toire, Paris. Hort., Bibliog., Orn. C. (Books).*
Pierrotet, Paul, Prof., Officier de l'Instruction publique, Directeur du Comptoir géologique de Paris, 15 rue de Tournon, Paris. Phys.,

Min., Crystall., Geol. Minerals, Fossils, Geological Books wanted.* Pierson, Henri H., 6 rue de la Poterie, Paris. Mic., Photog., Orthopt., Neuropt. C. Ex.
Piette, Edouard, Ancien magistrat à Rumigny, Département des Ar-

dennes. Geol., Palao., Prehist. Arch. Pillet, L., Avocat, place St. Léger, à Chambéry (Savoie). Geol.

Pisani, Chimiste, rue Furstemberg, 8, à Paris. Geol.

Planchon, Dr. Louis, 5 rue de Nazareth, Montpellier. Bot., Méd. Zool. Poirault, Georges, 16 Boulevard St. Germain, Paris. Bot., Geog. Dist.

Poirier, J., Clermont Ferrand (Puy-de-Dôme). Trematod. Poisson, Jules, aide naturaliste au Muséum, rue de Buffon 63, Paris. Bot.

Poli, H. de, rue des Acacias, 45, Paris. Musci. Potier, Membre de l'Institut, Ingénieur en chef des Mines, boulevard Saint-Michel, 89, à Paris. Geol.
Pouchet, Georges, Professor d'Anat. comp. au Muséum d'Histoire Na-

turelle, Dir. du Lab. maritime de Concarneau, 10 rue de l'Eperon, Boulevard St.-Germain, Paris. Comp. Anat., Histol., Oceanog.* Pouillon, Amédée, Naturaliste, Landroff (Lorraine). Coleopt. Lepid.,

Fossils. Buy and sell.

Poujade, Gustave Arthur, Préparateur d'Ent. au Muséum d'Histoire Naturelle, Paris, rue Pascal 2. Ent., Hymenopt., Lepid., Dipt., Coleopt., Orthopt., Neuropt.*

Prenant, Dr. A., Agrégé à la Faculté de Médecine, Nancy (Meurthe-et-

Moselle). Anat., Histol.*

Priem, Professeur au lycée Henri IV., boulevard Saint-Germain, 135, à Paris. Geol.

Pronho, Henry, Maître de Conférences à la Faculté des Sci. de Lille (Nord). Anat. and develop. Echinoids, Bryozoa.*

Prulière, Naturaliste Préparateur, rue Contellerie 4, Marseille. Mam., Orn., Herpetol., Ichth., Ent., Crustacea, Moll., Zoophytes, Cephalopods, Lower Invert., Echinoderms.*

Puyfontaine, Comte de, Ministre Plénipotentiaire, 34 ave. de Friedland, Paris. Phys. Geol., Chem., Mic., Photog., Meteo., Ast.*

Quatrefages de Breau, Jean Louis Armand de, Muséum d'Hist. Nat.,

Paris. Anth., Zool. Quélet, L., Dr., Herimoncourt, Doubs. Fungi.

Rabaud, Etienne, Grande rue der Moustier 59, Montauban. Gen. Ent. Rabot, Charles, 11 rue de Condé, Paris. Phys. Geol., Geog. Dist., Eth., Ethnog.

Ragonot, Emile L., Banquier, quai de la Rapée, 12, Paris. Micro-Lepidoptera of the World. Will determine European micro-lepid. Desirous of receiving Phycidæ from all parts of the world for naming. Ex. Will be glad to receive publications on Mic.

Railliet, A., Prof. d'Hist. Nat. à l'École vétérinaire, Alfort (Seine). Parasites (Arthropods, Worms, Protozoa).*

Ramond, Georges, Assist. Mus. Nat. Hist., 61 rue de Buffon, Paris. Palæo. ("Bassin de Paris"), Gen. Geol., Phys. of the Globe.*
Raoul, E., 5 rue de Vienne, Paris. Bot., Anth., Eth., Ethnog.

Raphard, Edouard, Melun (Seine et Marne). Orn., Ent., Lepid. C.

Raspail, Xavier, à Gouvieux (Oise). Zool., spéc. Orn. et Ool.* Rataboul, Joseph, Moissac (Tarn-et-Garonne). Diatoms, Geol., Min.

C. Ex. Raulin, Victor, Professeur honoraire de la Faculté des Sciences de Bor-Montfancon d'Argonne (Meuse). Geol. Raveneau, Louis, Agrégé d'Histoire et de Géographie, Professeur au Col-

lège Stanislas, rue d'Assas, 76, Paris. Geol. Raveret-Wattel, rue des Acacias, 20, Paris. Pisciculture.*

Rawlings, Ed., 77 ave. Malakoff, Paris. Con.*

Rayet, G., Bordeaux. Ast.

Reclus, Prof. Dr., rue des Saints-Pères, 9, Paris.

Reclus, Jacques Elisée. 26 rue des Fontaines, Sèvres. Geog.

Record, Notaire, Puycelcy (Tarn). Lepid., Coleopt. C.

Regnard, Dr. Paul, Directeur-adjoint du Labor, de Physiol. de la Sorbonne, 224 boulevard St. Germain, Paris. Physiol.

Reinwald, C., et Cie., Libraires-Editeurs, rue des Saints-Pères 15, Paris.

Publishers of French Scientific Works, and Records of Experimental and General Zoology.*

Renauld, F., Commandant du Palais de Monaco. Mosses. C. Ex. for American Mosses.

Renault, E., place de la Préfecture, Chaumont, Haute Marne. Lepid. Renoux, C. G., La Palisse (Allier). Bot., Phan. Plants, Mosses, Photog., Meteo., Ast., Arch., Ent., Coleopt. C. Ex. Révil, Joseph, Pharmacien, à Chambéry (Savoie) Geol.

Rey-Lescure, Philippe, Ville Boubon, à Montauban (Tarn-et-Garonne). Geol.

Richard, Jules, Dr. ès Sci., 30 Faubourg Saint-Honoré, Paris. Crust., espec. Entomostracés d'eau douce. C. Ex.*

Riche, Attale, rue de Penthièvre, 11, Lyon (Rhône). Geol. Richet. Chas., Prof. de Physiol. à la Faculté de Méd. de Paris; Dir. de la Revue Scientifique, 15 rue de l'Université, Paris. Gen. Biol.* Rigaux, rue Simoneau, 15, à Boulogne-sur-Mer (Pas-de-Calais). Geol.

Risler, Eugène, Dir. de l'Inst. agron., rue Claude-Bernard, et rue de Rennes, 106. bis à Paris. Geol.

Robin, Albert, Prof. à la Faculté de Médécine à Paris, 3 rue de Saint Petersbourg. Org. Chem., Gen. Biol.*

Robin, Dr. H. A., Préparateur à la Faculté des Sciences de Paris. Bats, Emb., Annelids.

Rochebrune, Prof. de, aide naturaliste au Mus. d'Hist. Nat., Paris. Zool. Rolland, G., Ingénieur au Corps des Mines, rue Pierre-Charron, 60, Paris. Geol.

Rossignol, L., rue Claude Vellefaux 6, Paris. Coleopt., Lepid., Shells, Stamps. Has a large number of Coleopt., of Lepid., and Shells of Europe, of Algeria, West Africa, India, etc., which he wishes to ex. for those of the U. S. (South and West especially). Wants specimens in sawdust in great number, rare or common (Coleopt.). French and English correspondence solicited.

Roule, Dr. Louis, Maître de Conférences à la Faculté des Sciences, Toulouse. Anat., Emb., Ascidians, Histol., Moll.

Roumeguère, Dr. C., Rédacteur en chef de la Revue Mycologique, rue Riquet, 37, Toulouse. Crypt. Bot., Bibliog., Mycology. C. Ex.

Rousseau et Cie, Paul, 17 rue Soufflot, Paris. Produites Chimiques, Matérial Scientifique, Geol., Min., Crystall., Chem., Metall., Physics, Elect., Mic., Photog., Meteo., Gen. Biol.

Roussel, Prof. au collège, au Château de la Folie, près Cosne (Nièvre). Geol.

Rouville, P. de, Prof. de Géol. à la Faculté des Sciences, Montpellier (Hérault). Geol. Roux, Honoré, Marseille, 52 A rue Thubaneau. Bot.

Rouy, Georges, Vice-Pres. de la Soc. Bot. de France, Dir. du Comptoir Parisien d'Echange de Plantes, 66 rue Mozart, à Paris. Phæn. Bot. C. 21,000 species: 95,000 specimens.

Royer, Ernest, à Bar-le-Duc (Meuse). Geol. Russell, Wm., à la Sorbonne, Paris. Bot.

Sabatier, Armand, Prof. Zool. et Anat. Comp., et Dir. de la Station Zool. marine, de Cette, Montpellier.*

Sahut, Félix, Pres't de la Soc. d'Hort et d'Hist. Nat. de l'Hérault, ave. Pont Juvenal 10, Montpellier, Hérault. Bot., Hort., Veg. Palæo., Meteo., Geog. Dist.

Saint-Joseph, Le Baron de, 23 rue Francois 1, Paris. Chatopods. Saint-Lager, T., Lyon, Conrs Gambetta. Bot. Saint-Pol Lias, M. F. Xavier, J. J. H., B. de, Explorateur, Chargé par le Gouvernement Français de Missions Scientifiques en Malaisie et en Indo-Chine, Officier de l'Instruction Publique, 47 rue de l'assy, Paris. Bot., Zool., Anth., Eth., Ethnog.*

Saint Remy, Georges, Préparateur à la Faculté des Sciences, Nancy (Meurthe-et-Mosclle). Zool.*

Saint-Saud, Comte d'Arlot de, Château de la Valouze, par La Roche-Chabana Doubeau Anthe

lais, Dordogne. Arch.

Salle, Auguste, 13 rue Guy de la Brosse, Paris. Coleopt., L. and F. W. Shells, Small Birds of America.

Saporta, Gaston, Marquis de, Paléon. Correspondant de l'Inst. de France, Aix-en-Provence, Bouches du Rhone. Palao.*

Sarran-D'Allard, L. de, à la Nougarède, par Saint-Ambroix (Gard).

Sauvage, Dr. Emile, Dir. de la Station Agricole de Boulogne-sur-Mer (Pas-de-Calais). Ichth., Herpet.

Sayn, Gustave, Montvendre par Chabeuil (Drôme). Geol., Min. Schlagdenhauffen, Ch. F., Dir. de l'Ecole supérieure de Pharmacie, 63 rue de Metz, Nancy. Chem.*

Schlumberger, Ch., 21 rue du Cherche-Midi, Paris. Geol., Palao., Foraminifera.

Schneider, Aimé, Prof. à la Faculté des Sci. (Zool.), Poitiers (Vienne), 9, rue du Petit Seminaire. Arach., Crustacea, Protozoa.

Schulhof, Prof. L., Paris. Ast.

Scunnes, G., Préparateur à l'Ecole Nationale des Mines, 172 boulevard Montparnasse, Paris. Ceol., Palæo. Secretan, Georges, 13 place Pont Neuf, Paris. Phys. Geol., Chem., Mic.,

Meteo., Ast.
Seignette, Adrien, Docteur ès Sciences, 21 rue Trouchet, Paris. Bot., Physiol.* Seunes, Jean, Prof., chargé de cours à la Faculté des sciences de Rennes

(Ille-et-Villaine). Geol.

Seynes, Dr. J. de, 15 rue de Chanaleilles, Paris. Bot., esp. Fungi. Coleopt.

Sieveking, André, rue Consolat 117, Marseilles. Six, Achilles, professeur au lycée, à Saint-Omer (Pas-de-Calais). Geol.

Société Entomologique de France, Hôtel des Sociétés Savantes, rue Serpente 28, Paris. Secrétaire général, J. Gazagnaire. Société des Sciences Physiques et Naturelles de Toulouse. Bot., Chem.,

Société des Sciences l'hysiques et Naturelles de l'oulouse. Dou., Chem., Geol., Zool., etc. Public un Bulletin; 9 volumes parus.
Société Géologique de France, 7 rue des Grands Augustins, Paris.
Société Zoologique de France, à la Sorbonne, Paris.
Société Zoologique de France, 7 rue des Grands Augustins, Paris.*
Sombien, E., rue République 35, Carcassonne (Aude). Gen. Nat. Hist.,
esp. Living and Fossil L., F. W. and M. Shells. C. Ex.
Soulier, Dr. Albert, 14 rue St. Pierre, Montpellier. Zool.

St. Quentin, Edmond, terrasse St. Pierre 10, Douai. Bot.

Stuart-Menteath, Patrick W., à Saint-Jean-de-Luz (Basses-Pyrenées).

Stuer, Alexandre, Comptoir Geol. et Min., 40 rue des Mathurins, Paris. Palæo., Geol., Min., Crystall., Lithol., Anth., Prehist. Arch.* Suchetet, André, propriétaire, Rouen et à Bréauté par Goderville (Seine-

Inf.) Physiol., Zoot.*

Tarle, Comte Adolphe de, rue Volney 57, Angers. Lepid., Larva, Puppæ. Ora.*

Tarnier, Propriétaire, 21 rue Vauban, Dijon. Gen. Zool.

Teisserenc de Bort, Léon, Chef du Service de Météo. Générale au Bureau Central Météorol., Sec. Général de la Soc. Météorol. de France, 82 avenue Marceau, Paris.

Telesphorien, Dir. de l'Ecole des Frères, Crest (Drôme). Coleopt. Tempère, Prof. J. A., Editor of "Le Diatomiste," 168 rue St. Antoine, Paris. Mic., esp. Diatoms.*

Termier, Ingénieur au Corps des Mines, Prof. à l'Ecole des Mines de St. Etienne (Loire). Min., Geol., Lithol.

Tesseron, Yres-Augustin, Crazannes (Charente Inférieure). Bot., Ast. C. Ex.
Thélohan, Prosper, rue Monge, 119, Paris. Sporozoa, Protozoa, Ichthyol.*

Theriot, Dir. d'Ecole primaire Supérieure, 1 rue Dicquemare, Havre.

Phæn. Plants, Mosses. C. Ex.*

Thomas, Philippe, à Montpellier (Hérault). Geol.

Thorell, Prof. Dr. T., Ancien Prof. à l'Univ. d'Upsal; Montpellier.

Arach.*

Topinard, Dr. Paul, Prof. d'Anth., Paris, 105 rue de Rennes. Vert. Palæo., Zool., Morphol., Vert. Anat., Anth., Arch., Eth., Ethnog., Vert., Mammals, Osteol.

Torcapel, A, Ingénieur à la Compagnie P.L.M. en retraite, rue Victor Hugo 21, Avignon. Geol., Palao.*

Toucas, Aristide, Chef de bataillon au 99e régiment de ligne, à Lyon (Rhône.) Geol.

Touchet, J., Naturaliste, Mainxe par Jarnac (Charente). Gen. Nat. Hist., principally Mollusca, Coleopt., Birds and Small Mammals in skins. Ex. with correspondents in every country outside of Europe.*

Tourneux, F., Prof. d'Hist. à la Faculté de Médecine de Toulouse.*

Trutat, Conservateur du Musée de Toulouse, place du Palais, 10, à Toulouse (Haute-Garonne.) Geol.

Tuniot, Adolphe, rue Macquart 17, Reims. Invert., Palæo., Lepid., Moll. C. Ex.

Vacher de Lapouge, Georges, Bibliothécaire de l'Univ., palais, universitaire, Rennes. Vert. Palæo., Anth., Ethnog., Coleopt. C. Ex.* Vallot, Joseph, Dir. de l'Observ. du Mont-Blanc, 61 ave. d'Antin, Paris.

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Universität, Marburg (Marburg on-the-Lahn). Chem.* Flechsig, Prof. Paul, Med. Fac., Univ., Leipzig.

Fleischer, Carl, Wilischthal in Sachsen. Lepid. C. Ex.

Fleischmann, Dr. A., Privat Docent Zool. Inst., Erlangen. Lamellibr., Ontogeny, Vert.*

Flemming, Walter, Prof., Dr., Dir. Anatom. Inst., Kiel, Düsternbrook 55. Gen. Biol., Emb., Anat., Histol. C. Mic. Flesch, Prof. Dr. Max, Frankfurt a. M.

Flögel, Dr. T. H. L., Wedel, Holstein. Zool. Focke, Dr. Wilh. Olbers, Stein. Kreuz 2, a. Bremen. Bot. Rosaceæ, esp. Rubus, Hybridization. C. Ex.*
Foerster, Wilhelm, Dr. Phil., Prof. der Ast., u. Dir. der Royal Observ.,

Foerster, Willelin, Dr. Finn, 1 for der Ast., a. Dir. der Ast.,
Berlin, S.W. Ast.
Follman, Dr. O., Coblentz. Palæo.
Fraas, Eberhard, Dr. Phil., Assist. am Kgl. Nat. Cab., Stuttgart, Würtemberg. Vert. Palæo., Strat. Geol., Min. C. Ex.*
Fraas, Oscar, Stuttgart. Vert. Palæo.
Farisse, Dr., Med. et Phil., Prof. der Univ., Leipzig. Morphol., Emb.,

Histol.*

Histol.*

Frank, Adolf, Erfurt, Fischersand 4. Hymenopt., Dipt., Hemipt. C. Ex. Frankenstein und Wagner, Verlag der "Insektenbörse," Leipzig. Augustusplatz 1.*

Frant, Dr. Bernhard, Prof. Landw. Hochschule, Berlin, N.W., Thurmstr. 3. Bot., Fungi., Gen. Biol.
Frech, Prof. Dr. F., Bendlerstr. 10, Berlin, W.

Freese, Dr. W., Hamburg.

Frenzel, Johannes, Dr., Prof., Dir. der Biol. Station Mueggelsee, Friedrichshagen bei Berlin. Mic., Zool., Gen. Biol., Morphol., Emb.,

Anat., Histol., Protozoa.*

Fresenius, Dr. Carl Remigius, Geheimer Hofrath u. Prof. Director des Chemischen Laboratoriums, Wiesbaden. Inorg., Tech. and Analyt. Chem.*

Fresenius, Prof. Heinrich, Ph.D., Vorsteber d. agriculturchem. Versuchsstation; Docent, Chemical Laboratory, Wiesbaden. Agric. Chem *

Fresenius, Wilhelm, Dr. Phil., Docent u. Abtheilungsvorstand am Laborat. Fresenius, Wiesbaden, Kapellenstr. 57. Analyt. u. Inorg. Chem.,

Fricke, Dr. Carl W., Docent, Univ., Kiel. Mic., Odontol.

Friederichsen, L., Generalsecretair der Geographischen Gesellschaft, Neuerwall, 61, I., Hamburg. Geog., Cartog., Navigation.*

Friedlander, Dr. Benedict, Regentenstr. 8, Berlin, W. Histol.*

Friedrich, O., Cothen, Wollstr. 2. Coleopt.

Friese, H., Openau (Baden). Zool., Gen. Biol., Geog. Dist., Ent., Hymenopt., Coleopt. C. Ex.
Friren, (l'abbé), Prof. Seminaire, Montigny-Metz (Alsace-Lorraine).
Bot., Palæo. C. Ex.*
Fritsch, Gustav, Dr. Mcd., Berlin, N.W., Roonstr. 10. Mic., Photog.,
The Appel Appl Appl Coleopt.

Zool., Emb., Anat., Anth., Eth., Ichthyol., Histol., Ent., Coleopt.,

Fritsche, Friedrich Carl, Faucha Leipzig. Orn., Tax., Lepid.

Frommann, —, Jena. Mic., Histol. C. Fromme, Prof. C., Univ., Giessen. Magnetism, Galvanism. Froriep, Dr. August, Prof., Univ., Tübingen. Histol. of Vert., Emb. and Anat. of Vert.*

Fruhstorfer, H., Naturalist, Passau, Bavaria.

Fuchs, Dr. Ernst, Director der Landwirthschaftlichen Schule, Kappeln (Schleswig-Holstein). Analyt. Chem. and Bot. C. erogams and Mushrooms.*

Fünfstück, Moritz, Dr. Phil., Stuttgart, Schickstr. 4.
Plants, Fungi, Lichens, Mic. C. Lichens. Ex. Bot: Crupt.

Fürbringer, Max, Prof. Anat. Anstalt, Jena. Vert., Lepid.*

Gabriel, Dr. B., Docent Univ., Breslau.

Gagel, Curt, Dr., Berlin, N., Invalidenstr. 44. Invert. Palao., Strat. Geol.

Galle, Prof. Dr. J. G., Königl. Univ., Breslau. Ast.*
Gallenmuller, Prof. J., Würzburg. Ast.
Gantzer, Herm., Dessau, Amalienstr. 118. Cerambycidæ, Photog.* Garcke, Dr. August, Prof. an der Universität und Custos am Königl. Bo-

tanischen Mus., Gneisenaustr. 20, Berlin. Pharmac., Bot.* Gasser, Dr. Emil, Dir. Anat. Inst., Marburg. Histol., Emb. Vert.

Gatterman, Prof. Dr. L., Chem. Lab. der Univ., Heidelberg.

Gaupp, Ernst, Dr. Med., Breslau, Anat. Inst. Emb., Vert. Anat., Histol.* Gegenbaur, Carl, Leopoldstr. 57, Heidelberg.

Geiger, C., Stadtpfleger, Ulm a. Donau. Lepid., Dipt., Coleopt.

Geinitz, Dr. E., Prof. ord. d. Min. u. Palæo., Rostock.

Geinitz, Prof. Dr. Hans Bruno, Dir. der K. Min. Mus., Dresden.

Geisenheyner, Gymnasial-lehrer, Kreuznach a. Nahe. Bot.

Geissler, Max, Dir. des botan. Gartens, Gærlitz, Schlesien, Mühlweg 3.

Phæn. Plants. Phæn. Plants. Herbar. Ex. Gericke, Hugo, Langenbrück, Breslau. Zool., Orn., Ent., Hymenopt., Lepid., Dipt., Coleopt., Hemipt., Orthopt., Neuropt., Arach. C. Ex.

Gerlach, Joseph v., M.D., Prof. Anat., Univ., Erlangen. Mic., Photog.,

Gerlach, Prof. Dr. Leo, Erlangen. Ent., Vert. Gersdorf, Theodor, Modellor of the Royal Saxon Mining Acad., Freiburg.

Gerstaecker, Dr. A., Prof. ord., Dir. Zool. Inst., Greifswald. Anthrop. Getschmann, R., Hermannstr. 170, Rixdorf near Berlin. Diatoms. Diatoms. C.

Giesenhagen, Karl, Privat-docent der Bot., Kustos am Kryptogamen Herbar, und Assist. am pflanzenphysiol. Inst., München, Theresienstr. 122, I. Bot: Crypt. Plants, Ferns, Mosses, Fungi, Lichens, Algα, Desmids, Diatoms, Gen. Biol.

Gizycki, Prof. Dr. Georg von., Nettelbeckstr. 24, Berlin, W. Anth. Orn.* Glassner, G., Dr. Phil. Pharmaceutischer Verlag, Inhaber Apotheker Carl Muller, Cassel, Grosse Rosenstr. 2. Signaturen für Apotheken u. Droguerien in verschiedenen. C. Ex.

Goebel, Prof. Dr. K., München, Leopoldstr. 33. Bot.*
Goetle, Prof. Dr. K., München, Leopoldstr. 33. Bot.*
Goetle, Alex., Dir. Zool. Inst., Rostock. Emb., Vert., Invert.
Goldfuss, August, Berlin, C, Linienstr. 46. Europ. Coleopt. C. Ex.
Goldschmidt, Prof. V., Sophienstr. 3, Heidelberg. Crystall.*
Goppelsroeder, Prof. Dr. Friedrich, Mühlhausen, Elsace. Capillar analyse, Electro Chem., Chem. of Foods, Hygiene, Cremation.*

Götschmann, Dr., Breslau, Rosenthalerstr. 18. Lepid. Gottsche, Carl, Dr., Phil., Keeper Min. Dept., Naturhist Mus., Hamburg. Palæo., Geol.* Graeser, Louis, Assist. Nat. Hist. Mus., Hamburg, Hansaplatz 12, IV.

Craete, Louis, Assist. Nat. Hist. Mus., Hamburg, Hansapiatz 12, 1V. Lepid., Moll. C. Ex.*

Graetz, Dr., Prof. a. d. Univ., München. Phys.*

Grave, Dr. Otto, Coblenzerstr. 121, Bonn. Chem., Min.*

Grebe, Landesgeologe, Berlin, N. Invalidenstr. 44, Königliche geologische Landesanstalt u. Bergakademie. Strat. Geol.

Grebe, Carl, Königl. Oberförster, Bredelar, Westfalen. Bot., Mosses. Offers Muscos germanicos. C. Ex.

Greeff, Dr. Richard, Prof., Dir. Zool. Inst., Marburg. Zool., Anat., In-

Grenacher, Prof. Herm., Halle a. S. Zool.

Griebel, Julius, Speier. European Macro-Lepid. C. Ex.* Griesbach, Hermann A., M.D., Ph.D., Prof., Mühlhausen (Alsatia). Histol.,

Hist., Mic., Tech.* Gronen, Damian, Köln a. d. Rhein. Bot., Bibliog., Zool., Orn., Ethnog.* Gruber, Prof. Dr. August, Freiburg i. B. Invert., Zool., Gen., Biol., Protozoa, Infusoria.*

Grunack, Albert, Kaiserl. Geheimer Registrator, Berlin, S.W., Neuen burgr Str. 29. Bot., Zool., Orn., Ool., Ent., Lepid., Coleopt. C. Ex.*

Grundey, Max, Augustastr. 14, Breslau. Min., Crystall., Geol., Arch. C. Ex.*

Gründler, Hans, M.D., Dresden, A, Comeniusstr. 31. Diatoms, Mic., Photog. C. Ex.*

Gruner, Hans, Dr. Phil, Prof. der Min., Geol. u. Bodenkunde a. d. Kgl. Landw. Hochschule, Berlin, N.W., Platz am Neuen Thor l. a. Palæo., Geol., Min. C. Ex.* Grützner, Hermann, Rector, Grottkau in Schlesien. Ool., Lepid., Coleopt.

C. Ex. Gümbel, W. v., Prof. and Dir. Geol. Survey of Bavaria, Munich. Geol. Gumppenberg-Pöttmes, Karl Freiherr v., Bamberg. Lepid. C. Ex.* Güricli, Dr. Georg, Privat-Docent a. d. Univ., Breslau, Höfohenstr. 72. Palæo., Geol., Min., Lithol.*

Gürke, Dr. Max, Kustos am Kgl. Botan. Garten zu Berlin, 67 Colonnenstr., Schöneberg bei Berlin. Bot: Phan. Plants.*

Haacke, Wilhelm, Dr., Technische Hochschule, Darmstadt. Gen. Biol., Zool., Palæo., Geog. Dist., Morphol., Emb., Anat., Mammals, Orn., Radiates, Protozoa, Histol., Mic.*
Haas, H., Dr. Phil., u. Prof. an der k. Univ., Kiel, Niemansweg. 14.

Geol. C. Ex.

Hasse, Dr. Erich, Privat-Docent Zool. an der Univ., Königsberg, und Dir. der R. Siamese Mus., Bangkok, Siam. Zool., Biol., Morphol., Insects, Myriop.*

Häcker, Dr. Valentin, Asst. Zool. Inst., Freiburg.

Haeckel, Ernst H., Prof., Jena. Zool.*

Haefar, Dr., Bezirksgeologe, Berlin, N., Invalidenstr. 44, Königliche geologische Landesanstalt u. Bergakademie. Strat. Geol.

Haeoker, Val., Dr. Phil., Assistent am Zool. Inst., Freiburg i. B. Zool., Orn.

Hagenbeck, Christiane, Vogelgrosshandlung, St. Pauli, Hamburg.

Hahn, H., Dreiengelstr. 9, Conservator des Ent. Mus., Magdeburg. Coleopt. Halfar, Anton, Kgl. Bezirks-Geolog., Berlin., N., Invalidenstr. 121, III.

Strat. Geol., Invert. Palæo.

Hall, W. S., M.S., M.D., at present, Strassburg. *Physiol.** Hallwachs, Dr. Wilhelm, Prof. d. Elektrotechnik. technische Hochschule, Dresden. Physics.*

Halm, Dr. J., Strassburg. Ast. Hamann, Otto, Dr., Prof., Göttingen. Hydroids, Echinod., Worms.* Harrach, Graf Ernst, Kl. Kirchen, bei Lüben. Agric., Mic., Zool., Orn.,

Ent: Coleopt. C. Hartig, Dr. Robert, Universitäts Prof. ordin. und Vorstand des Forstbotanischen Instituts, Georgenstr. 13, München. Anat., Physiol. and Pathol. of Plants.

Hartmann, R., Märjen b. Zeulenroda, Reus. ält. Linie. Bot., Qrn., Ent., Lepid., Coleopt. C. Ex.

Hartwich, Carl, Braunschweig. Phan. Bot., Mic., Anth. C. Ex.

Harzer, Prof. Paul, Gotha. Ast.

Vert. Palæo., Mic., Zool., Gen. Biol., Hasse, Carl, Prof. Dr., Breslau. Geog. Dist., Morphol., Emb., Vert. Anat., Arch. C. Ex.*

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Hauptfleisch, Dr. P., Privat-Docent der Bot., Greifswald. Bot: Alga,

Desmids, Diatoms.*

Hauser, Friedrich, Premier Lieutenant im R. C. 1. Fuss-Artillerie Regiment, "vac. Bothmer," Ingolstadt. Coleopt., Spec: Fauna of Central Asia and Siberia, Geol. Biol., Ent. C. Many duplicates for

Hauser, Gustav, Privat-Docent, Erlangen. Organs of smell in Insects. Haushofer, Prof. Dr., Mineral Mus. am Polytechnicum, München.

Haussknecht, Carl, Prof., Weimar, Schillerstr. 9. Bot: Phan. and Crypt. Plants, Ferns, Mosses, Fungi, Lichens, Algæ. C. Ex.

Hayn, Dr. F., Leipzig. Ast.

Heckert, Dr. G. A., Zool. Inst., Leipzig.

Heidenhain, Dr. Martin, Anat. Inst., Würzburg.

Heidenhain, Prof. R. P., Prof. d. Physiol., Univ., Breslau. Heider, Karl, Dr. Med. et Phil., Berlin, N. W., Birkenstrasse 75. Zool., Emb.*

Heijmons, Richard, Dr. Phil., Zool. Institut, Invalidenstr. 43, Berlin, N. Emb., Ent.*

Heiland, Gustav, Lehrer, Lychen, Brandenburg. Gen. Bot., Palæo., Geol., Min., Chem., Metall., Physics, Zool. C. German Flora for

Heinze, Prof. Dr. Max, Grimmaischestr. 32, Leipzig. Philos.*

Heisbach, Dr. Albin, Prof. der Min. an der K. Sächs. Bergakademie,

Freiberg. Min. Heller, Prof. Dr. Arnold, Kiel. Mic., Gen. Biol., Histol. of Vert., Arach., Worms, Pathol.

Heller, Dr. K. M., Custos K. Zool. u. Anth. Ethnog. Mus., Dresden. Ent. C.*
Hellerer, T., Lehrer, München. Orn., Ool. Ex.
Hellvig, Theodor, Grünberg in Schlesien, Lehrer, corr. Mitglied der

Schlesischen Gesellschaft für vaterländische Cultur. Bot: Phan. and Crypt. Plants, Ferns, Mosses, Fungi, Lichens. C. Ex.*

Helm, Otto, Danzig. Amber and other fossils. C. Ex. Helmert, Robert, Prof., Dir. des Königl. Preussischen Geodetischen Inst., Potsdam bei Berlin. Ast., Geodesy.*

Helmholtz, Prof. Dr. Hermann von, Neue Wilhelmstr. 16, Berlin, N. W. Physics.

Henking, Hermann, Dr. Phil., Privat-Docent, Zool.-zootom. Inst., Göttingen. Palæo., Zool., Gen. Biol., Geog. Dist., Morphol., Emb., Anat., Anth., Eth., Ethnog., Histol., Arach.
Henneberg, Prof. Dr. W., Göttingen. Agric., Chem.
Hennig, R., Telegraphenbetriebs-Bureau, Reichs-Postamt, II. Abtheilung,

Berlin, W. Creindelidæ, Large Carabidæ.

Hensen, Victor, Prof., Physiol. Inst., Univ., Kiel. Physiol., Gen. Biol., Emb.*

Hering, Major Ed., Paradeplatz 37, Stettin. Ent.

Hermann, Dr. F., a. o. Prof., Inst., Erlangen. Morphol., Physiol. Hermann, Prof. L., Prof. Physiol., Königsberg. Herpell, Gustav, St.-Goar-on-the-Rhine. Bot: Mosses and Fungi. C. Ex.*

Hertwig, Oskar, 34 Maassen Str., Berlin, W. Anat., Physiol., Emb. Hertwig, Richard, Prof. der Zool., München, Gabelsbergerstr. 76, III.*

Herzog, Gustav, Quellendorf bei Dessau. Coleopt. Ex.* Hess, Wilhelm, Dr., Prof. a. d. Königl. techn. Hochschule, Hannover. Bot., Zool., Coleopt. C. Ex.

Hessenauer, Ch., Niederbronn. Coleopt., Lepid.

Heyer, Dr. Friedrich, Docent a. d. Univ., Halle a. S. Bot: Phan. Plants. Hort. Heyne, Ernst, Hospitalstr. 2, Leipzig. Lepid. and Coleopt., Ent. Utensi-

lien, Ent. Buchhandlung.*

Hieronymus, Georg, Prof. Dr., Breslau, Neue Gasse 13a. Bot., Alga, Mic., Cecidiology, S. American Phan. and Crypt. C. Ex.

Hilgendorf, Franz, Dr. Phil., Custos am Mus. für Naturkunde, Berlin, Albrechtstr. 12a. Ichth., Crustacea.

Hilger, Dr. Constantin, Assist. am Zool. Inst. der Univ., Heidelberg-Naugheim Contonent 164v.

Neuenheim, Gartenstr. 164v. Zool., Ent., Elaterida. C. Coleopt.

Hinrichsen, N., Gymnasiallehrer a. D. in Schleswig. Phan. and Crypt. Plants, Ferns, Mosses. C. Ex.*

Hintz, Ernst, Dr. Phil., Docent u. Abtheilungsvorstand am Laborat. Fresenius, Wiesbaden, Nerobergstr. 24. Chem.*

Hintze, Prof. Dr., Mineral. Mus. d. Universität, Breslau. Verf. v. "Handbuch der Mineralogie."*

Hirn, Gustave Adolph, boulevard du Hohlandsberg 10, Colmar (Alsace). Philos., Phys. and Mechanism.

His, Wilhelm, Prof., Dir. Anat. Inst., Königsstr. 22, Leipzig. Hist., Emb., Vert.*

Hitzig, Prof. Dr. Eduard, Halle. Mental Sci., Neurology, Physiol.*
Höck, Dr. Fernando, Oberlehrer, Luckenwalde (Brandenburg), Mühlenweg 3. Bot: Phæn. Plants, Geog. Dist.*
Hofer, Dr. Bernh., Zool. Inst., München. Emb.
Hoffmann, August, Eutin (Holstein). Lepid. C. Ex.*
Hoffmann, Dr. Ernst, Prof., Stuttgart.

Hoffmann, Dr. Julius, Stuttgart. Orn., Coleopt., Lepid.* Hoffmann, Dr. Otto, Südende bei Berlin. Bot: Compositæ. Herbarium.* Hofmann, Ottmar, Regierungs n. Kreismedizinalrath, Taxisstr., Regensburg. Fungi, Mic., Zool., Ent., Lepid. C. Ex.*

Hofmeister, Wilhelm, Bensberg b. Köln. Bot., Crypt. Plants, Ferns, Mosses, Fungi, Lichens, Diatoms, Chem., Mic. C. Ex.*
Holle, Baron G. von, Dr. Phil., Eckerde bei Barsinghausen, Hannover.

Bot., Ent.*

Holler, Dr. Med., Memmingen. Musci. Hölscher, Felto, Köngl. Garteninspector, Köngl. Botan. Garten, Breslau.

Hort. C. Ex.
Holtz, L., Assist. an der Univ., Greifswald. Bot., Orn.
Holtz, W., Ph.D., a. o. Prof. an der Univ., Greifswald. Phys.

Hoppe, Oscar, Prof., Clausthal, Prov. Hannover. Bot., Elect., Physics,

Meteo., Bibliog., Arch.
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Jacobasch, Ernst, Friedenau b. Berlin, Wielandstr. 27. Fungi. C. Ex.* Jacobson, Paul, Heidelberg, Gaisbergstr. 16a. Org. Chem.*

Jaeger, Dr., Prof., Stuttgart. Zool., Anth., Hygiene.
Jaennicke, Fred, Mayence. Ent., Dipt., Bot: Phæn. Plants, Geog.
Dist.*

Jannasch, Prof. Dr., Chem. Lab. d. Univ., Heidelberg.

Janson, Dr. Otto, Assist. Zool., Marburg, i. H. Jentzsch, Prof. Dr., Dir. Prov. Mus. f. Geol., Anth., u. Arch., Königsberg

i. Pr., Steindamm. Geol.*

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Jesse, O., Berlin. Ast.

Jetschin, Robert, Patschkau, Silesia. Con. C. Ex. European L. and
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Johne, A., Prof., Thierarzneischule, Dresden. Trichinæ.

Jordan, Karl Fr., Dr. Phil., Berlin, S., Tempelherrenstr. 3. Bot., Physics, Elect., Meteo., Biol., Morphol.*

Joseph, Dr. Gustav, Breslau.

Jost, Dr. Ludwig, Privat-docent d. Bot., Botan. Inst., Strassburg i. Elsass.*

Junghans, Karl, Oberlehrer an der Realschule I., Grüner Weg 26, Cassel. Orn., Ool.*

Kabis, G., Karlsruhe, Baden. Lepid.

Kaeseberg, C., Langerfeld bei Schwelm. Coleopt., Lepid.
Kaiser, Dr. Johannes, Zool. Inst., Leipzig. Helminthology (Acanthoceph).*
Kaiser, Paul, Nordhausen. Bot., Ferns, Hort. C. Ex.*
Karsch, Dr. A., Prof. ord. Bot. u. Zool., a. d. Akad., Münster i. N. Ent. Karsch, Dr. Ferd., Privat-docent bei der Kgl. Univ., Docent, Königl. Landwirthsch. Inst., Berlin. Arach., Myriop., Hexapoda.* Karsten, Bernhard, Dr., Remscheid. Elect.

Karsten, Dr. G., Rostock, Friedr. Franzstr. Bot.

Kaurverk, Wilhelm, Gneisenau St. 30, Berlin, S.W. Orn., Coleopt., spec. Buprestidæ. C. Ex.*
Kayser, Prof. Dr. E., Univ., Marburg. Geol., Palæo.

Keibel, Franz, Prosector u. Privat-decent Freiburg i. B., Thurnseestr. 41. Emb., Vert. Palæo., Mic., Photog., Gen. Biol., Morphol., Vert. Anat., Anth., Vert., Mammals, Osteol., Myol., Histol. Keilhack, Konrad, Dr. Phil., Kgl. Landesgeologe, Berlin, W., Wilmers-

dorf, Binger Str. Geol.* Kellner, Hermann, Berlin. Ast.

Kerl, Prof. B., Geh. Bergrath, Bergakademie, Wiehmannstrasse 1, Berlin,

W. Chem., Meteo.*

Kern, Friedrich, Breslau, Loschstr. 25. Mosses. C. Ex.

Kesster, Prof. Dr., Kassel. Aphidæ. Kiel, Wilhelm, Berlin, O., Raupach Str. 15. Bot: Phan. and Crypt. Plants, Ferns, Mosses, Lichens, Alga, Mic. C. Ex.

Kinkelin, Dr. F., Stauffenstr. 2, Frankfort-on-Main. Geol., Palæo.* Kinzel, Dr. W., Berlin, N., Mullerstr. 179a, I. Bot: Phæn. and Crypt. Plants, Org. Chem., Philol. C.

Kirchner, Oskar, Prof., Dr., Hohenheim bei Stuttgart. Bot., Alga. Kitt, Theodore, München.

Kittlitz, Fritz von, Musikalienhandlung, Mainz. Lepid.

Klaatsch, Hermann, Asst. Anat. Inst., Heidelberg. Hydroids. Klatt, Frd. Wilhelm, Eimsbüttel, Bismarckstrasse 46, 1, Hamburg. Bot., Compositæ, Trideæ.*

Klebahn, Henrich, Ph.D., Seminarlehrer, Bremen, Friesenstr. 14. Bot., Fungi, Plants' diseases, Algæ; Mic.*

Klein, Prof. Dr. C., Mineral. Mus. d. Univ., Berlin. Min., Crystal. Klein, Dr. Friedrich, Asst. am Physiologischen Inst., Kiel. Physiol. Chem.*

Klein, Dr. Herm. J., Dir. der Wetterwarte des Kölnischen Zeitung, Besitzer eines Ast. Privat-Observatoriums, Cologne. Ast. and Meteo.

Topography of the upper surface of the moon.*
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Klement, Robert, Elöpatak, Siebenbürgen. Photog., Lepid., Coleopt., Con., Moll., Orn., Zool., Ool., Tax. C. Ex.*
Klockmann, Prof. Dr., Mineral. Mus. d. Kgl. Bergakademie, Clausthal.

Kloos, Prof. Dr., Mineral. Mus. am Polytechnikum, Braunschweig. Klunzinger, Dr. Carl Benjamin, Prof. der Zool., Moserstrasse 7, Stuttgart, Würtemberg. Zool., Ichth., Corals, Crustacea. C.*

Knapf, Dr. Otto, Jena. Ast. Knatz, Gerichtsrath, Kassel. Lepid.

Kneucker, Andreas, Karlsruhe in Baden, Werderplatz 46, III. *Phæn. Plants: Cyperaceæ.* C. Ex. Knoblauch, Prof. Dr. Carl Hermann, Geheimer Regierungsrath, Präs. d.

Kaiserl. Leop. Carol. Deutschen Akad., Univ., Halle. Phys.

Knoblauch, Oscar, Dr. Phys., Erlangen. Phys.*

Knorre. Dr. Georg von (Kgl. Technische Hochschule), Charlottenburg Grolmanstr. 9, Berlin. Chem.*

Knorre, Prof. V., Berlin. Ast.

Knuth, Paul, Dr. Phil, Oberlehrer, Kiel. Phan. Plants, Photog. C.* Kny, Dr. Leopold, Prof. a. d. Univ. und Landwirthsch. Hochschule, 92-93 Kaiser-Allee, Wilmersdorf bei Berlin. Bot., Bot. Physiol.* Kobbe, Otto, Bingen a. Rhein, Hessen. Bot: Phan, and Crypt. Plants.

C. Ex.

Kobelt, Dr. Wm., Schwanheim a. M. Moll.

Kobold, Dr. H., Strassburg. Ast.

Koch, Dr., Bezirksgeologe, Berlin, N., Invalidenstr. 44, Königl. geolog. Landesanstalt u. Bergakademie. Lithol.

Koch, Glatz. Coleopt, Lepid. Koch, Gottlieb von, Dr. Prof., Darmstadt. Develop. and Anat. of Corals.* Koch, Dr. K. R., Prof. Technische Hochschule, Stuttgart. Phys., Meteo.*

Koch, Ludwig, Prof. a. d. Univ., Heidelberg. Bot.
 Koehne, Prof. Emil, Ph.D., Friedenau b. Berlin, Kirchstr. 5. Hort., Dendrology. Determines Lythraceæ. Accepts literature for "Just's Botanischen Jahresbericht."*

Koenike, F., Lehrer, Bremen. Arach., Hydrach.* Kohl, Dr. Carl, Zool. Inst., Leipzig. Blind Animals. Kohl, Friedrich G., Dr. Phil., Prof. der Bot., Marburg i. Hessen, Renthof 12. Bot: Phæn. and Crypt. Plants, Fungi, Alge, Mic., Photog.

Herbarium. Ex.*

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Wandollock, Benno, Ph.D., Berlin, O., Alexanderstr. 14a. Dipt. Warburg, Dr. Otto, Berlin, Grunewald Str. 6-7. Bot.

Warnstorf, Karl, Mittelschullehrer, Neuruppin, Brandenburg. Forns, Mosses. C. Ex.*

Wascheck, Schmardt bei Kreuzburg, Pr. Schlesien. Lepid.

Weber, Dr., Wehlheiden bei Kassel. Coleopt.

Weber, Prof. Leonhard, Univ., Kiel. Phys., Elect., Meteo., Effects of Lightning. Atmosph. Elect., Photometry.*
Wehmer, Carl, Dr. Phil., Privat-docent a. d. Tech. Hochschule, Hannover, Cellerstr. 154. Bot., Chem., Physiol. Herbarium. Ex. plants.*

Weigel, Oswald, Dealer in new and second-hand books on Nat. Hist. and

Science, Leipzig, Königsstr. 1.*

Science, Leipzig, Konigsstr. 1.*

Weigelt, Dr. Curt, Gen. Sec. des Deutschen Fischerei-Vereins, Zimmer-Strasse 90-91, Berlin, S.W. Angewandte Chemie, Ichth., Bacteriol.*

Weisbach, Dr. Albin, Freiburg i. S. Min.*

Weise, F., Berlin, Griebenowstr. 16. Ent.

Weismann, Dr. August, Prof. Zool., Freiburg i. B., Zool., Mic., Morphol., Emb., Anat.*

Weiss, F. E., Dr. Phil., Docent der Bot., Univ., u. Custos am Kgl. Bot. Garten, München. Bot., Fungi, Lichens, Algæ, Desmids, Diatoms, Hort. C. Ex.*

Hort. C. Ex.*

Weisse, Arth., Dr. Phil., Berlin, W., Bulowstr. 103, I. Bot., Physics.* Weissflog, E., Strehlenerstr. 7, Dresden. Diatoms.*

Wellmann, Dr. V., Berlin. Ast. Weltner, Wilhelm, Dr. Phil., Custos, Museum für Naturkunde, Berlin, N., Invalidenstr. 43. Cirripedia, F.W. Polyzoa, Cælenterata, Sponges.*

Wengel, E., Prof. Extraord., Med. Fac., Leipzig. Mic.

Wermbter, Hans, Dr. Phil., Stallupöhnen (Ostpreussen). Palæo., Geol., Min., Lithol. C. Ex.*
Widmer, Elisabeth, München, Augusterstr. 17, I. Phæn. Bot. (Primu-

lacea).*

Wiedemann, Prof. Dr. Ernst Eilhard G., Universität, Erlangen. Phys.* versität, Leipzig. Phys.*
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Anat., Vert.

Wieler, Arwed, Ph.D., Privat-docent der Bot. an der Technischen Hochschule zu Braunschweig. Bot.*

Wiepken, C. F., Dir. d. Grossherzogl. Nat. Cabinets, Oldenburg. Orn., Colcopt.*

Wiglesworth, L. W., Königl. Zool. Mus., Dresden. Orn.*

Wilder, Dr. Harris H., Asst. Anat. Inst., Freiburg. Amph. Vert. Anat., Emb.

Will, Dr. Friedrich, Erlangen. Ent., Biol., Coleopt. C. Ex.*

Will, Dr. Ludwig, Privat-docent Zool., Rostock. Zool , Morphol., Emb * Wilsdorf, Max, Sec. des Landw. Kreisvereins (vorm. Dir. der Landwirtschaftschule), Chemnitz. Bot.*

Wilseng, Dr., Potsdam. Ast.

Winkler, A., Geh. Kriegsrath a. D., Schillstr. 16, Berlin, W. Bot., Morphol., Biol. C.*

Winkler, Dr. Clemens, Prof. der Chem. an der K. Sächs. Bergakademie,

Freiberg, Sachsen. Inorg. Chem., Met.* Wiskott, Max, Kaiser Wilhelmstr. 69, Breslau. Lepid. C. Ex.*

Wistolt, Max, Raiser Willelmstr. os, Breslau. Lepta. C. Ex.
Witt, Otto N., Ph.D., 38 Lindenallée, Westend, bei Berlin. Diatoms, Chem., Mic., Photog. C. Ex.
Witte, E., Königl Landgerichts-Präsident, Dusseldorf on the Rhine. Coleopt. exot., Longicornes, Cetonidæ, Buprestidæ, Lucanidæ.*
Wittmack, Ludwig, Ph.D., Geh. Reg. R., Prof. a. d. Univ., u. a. d. landw. Hochschule, Invalidenstr. 42, Berlin, N. Bot: Phæn. Plants, Hart Mic.* Hort., Mic.*

Wobst, A., Ammonstr. 52, Dresden. Bot. Woerlein, Georg, Kgl. Zahlmeistr, München, Nymphenburg. Autor: "Flora der Münchener Thalshene, 1893." Bot: Phæn. Plants, Ferns. C. Ex.*

Wolf, Dr. Max, Prof., Heidelberg. Ast. C.

Wundt Prof. Dr. Wm., Goethestr. 6, Leipzig. Psychol. Wünsche, Friedrich Otto, Prof., Dr. Phil., Zwickau in Sachsen. Bot.* Yachan, Bernhard, Schöneberg b. Berlin, Herbert Str. 76, I. Phan. Bot., Ferns, Mosses. Lichens, Min., Crystall., Lepid., Coleopt.
Zabel, Hermann, Königlicher Gartenmeister, Hann. Münden.
Phæn. Plants and Ferns, Dendrology. C. Ex.*

Zacharias, Ed., Dr., Prof. der Bot., Strassburg i. Elsass., Goethestr. 15.

Zacharias, Dr. Otto, Dir. der Biologischen (fresh water) Station, am Gr. Plöner See, Plön (Holstein). Gen. Biol., Geog. Dist , Emb., His-

Zahn, Hermann, Karlsruhe. Phænerogams.
Zander, August, Asst. Referent für die "Abtheilungen Morph. und Physiol. der Zelle" und "Morphol. der Gewebe" des Bot. Jahresbezink der Zehe und Morphol. der Gewebe des Bot. Jahresberichts, Paul Str. 8, Berlin. Bot., Org. Chem.*

Zander, Richard, M.D., Prof. an der Univ., Prosector am Anat. Inst., Konigsberg i. Pr. Morphol., Emb., Vert. Anat., Histol.*

Zeller, Prof. Dr. Eduard, Magdeburgstr. 4, Berlin, W. Philos.*

Zetzsche. Chas. Edward, Dr. Phil., Prof. Carlstrasse 13, Dresden, Saxony.

Physics, Math., Electric Telegraphy.*

Ziegler, Ernst, M.D., Prof. Pathol., Freiburg i. B. Pathol.*

Ziegler, Friedrich, Atelier für wissenschaftliche Plastik (vormals Dr. A.

Ziegler), Freiburg i. B. Emb. Supplies Emb. Wax Models.*
Ziegler, Heinrich Ernst, Dr. Phil., Prof., Freiburg i. B. Zool., Emb.*
Zimmermann, Albrecht, Asst., Privat-docent, Tübingen, Grabenstr. Bot.*

Zimmermann, Ernst, Dr. Phil., Berlin, N., Bergakademie. Strat. Geol.* Zincken, Carl Friedrich, Dörrienstr. 11, Leipzig. The Geol. Horizons of

the Fossil Carbons; the Fossil Hydrocarbons. Zirkeisen. A. Heinrich Sh., M.E., Faktor of the Mineralien-Niederlage of

the Royal Saxon Mining Acad., Teacher in the Royal Saxon Mining School, Freiburg.* Zittel, Karl A. von, Prof. u. Dir. des geolog. palæont. Staats Mus., Mün-

chen Geol., Palæo.* Zschock, Otto v., Liegnitz, Prussia. Ent : Coleopt.*

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GREECE.

Aphentulis, Theodor, Prof. der Pharmakologie und vertretungsweise der Bot., Athens.

Christomanos, A. C., Dr., Prof., Univ. of Athens. Chem.* Gennadius, P., Chief of the Section of Agric. (Minister of Interior) and

Dir. of the Agric. School of Athens. Fungi, Hemipt. Krinos, G. A., a. o. Pro . der pharmaceutischen Chemie und Dir. des

pharmaccutisch chemischen Laboratoriums der Univ., Athens. Chem., Syntagology. Miliarakis, Dr. Spyridon, Prof. d. Bot. an der Universität, Athens. Mic.

Crypt. Bot.* Stephanos, Dr. C., Conserv. du Mus. Anth., Univ., Athens. Med.

HELGOLAND.

Ehrenbaum, Ernst, Dr. Phil., Assist. an der Biol. Anstalt, Helgoland Zool., Ichth.*

Heincke, Dr. Friedrich, Prof. u. Dir. der Kon. Biol. Anstalt, Helgoland. Zool., Ichth., Moll., Gen. Biol., Geog. Dist., Fishery, Nat. Hist. of the Herring.*

ICELAND.

Stefánsson, S., Adjunct, Lærer i Bot. y Geog., Mödruvellir pr. Akurcyri. Bot., Phan. Plants, Gen. Biol. of flowers, Geog. Dist. of plants. C. Fx. Phæn. Plants of Arctic America.

Thoroddsen, Prof. Th., Geologist, Reykjavik (via Leith, Scotland). Vol-

canology.

ITALY.

Abetti, Prof. A., Padua. Ast.* Acqua, Dr. Camillo, Prof. di Storia Naturale al Liceo, Osimo. Physiol.,

Alessandri, Giulio di, Piazza Castello 25, Turin. Fossil Cirripedia.*
Alfieri di Sostegno, Carlo, Presidente del Consiglio e Superintendente dell' Istituto, Florence.

Angelis, Dr Gioacchino de, Assist. Gabinetto di Geol., R. Univ., Roma.

Corallaires tert.*

Angelitti, Dr. F., Naples. Ast. Arcangeli, Prof. Giovanni, Direttore del R. Orto Botanico di Pisa. Bot.

Ardissone, Francesco, Prof. de Bot. à l'Ecole Royale Supérieure d'Agric., Milan. Marine Alga. C. Alga of the Mediterranean. Ex.* Arnandan, Prof. Giacomo, R. Ist. Tecnico, Turin. Chem.

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Banti, Dott. Adolfo, R. Scuola Sup. d'Agric., Portici. Ent.

Baretti, Prof. Martino, R. Ist. Tecnico, Turin. Geol.
Baroni, Prof. Eugenio, R. Mus. Bot., Firenze. Bot. (Lichens.)*
Bassani, Francesco, Prof. de Geol., Univ. de Naples.
Baudi di Selve, Flaminio, Via Baretti 18, Turin. Ent: Coleopt.
Beccari, Odoardo, Prof., R. Musco di Storia Nat., Via Romana 19, Flor-

ence. Bot. Belli, Dr. Saverio, Asst. Bot. Lab., Univ., Turin. Bot : Phanerog. Tri-) folium Hieracium).*

Bellonci, Prof. Giusseppi, Bologna. *Histol*. Bellotti, Cristoforo, Vice-Pres. della Societa Italiana di Scienze naturali, residente presso il Museo Civico di Storia naturale in Milano, Via Breva 10, Milano. Ittiologia. Acquisti. Cambi.*
Bellucci, Joseph, N.H.D., Prof. Univ., Perugia. Anth., Arch., Ethnol.,

Ethnog. C. Ex. Desires especially objects of Eth. and of Prehist.

Arch. Bensa, Paolo, Via Giulia 31, Genova. Curculionida.*

Berlese, Dott. Antonio, Prof. di Zool. generale ed agraria nella R. Scuola Superiore di Agric. di Portici, Napoli. Acari-Insecta et Miriopoda, Fungi, Anat. Veg.

Berlese, Prof. Dott. Augusto Napoleone, R. Scuola di Viticoltura ed Enologie, Avellino. Fungi, Veg. Pathol., Anat.* Berruti, Giacinto, Ing., Dir. del R. Museo, 10 Industriale Italiano, Turin.

Betocchi, Alessandro, Ing., Roma. Hydraulic Eng.
Bezzi, Mario, R., Univ. (Zool. Mus.), Pavia. Ent., Dipt.
Bezzi, Mario, Prof. Nat. Hist. Liccum, Monteleone, Calabria. Dipt.,

Bicknell, Clarence, Bordighera (Ligurie). Local Geol., Bot.

Bizzozero, Prof., Univ., Turin. Med. Blaserna. Prof. Pietro, Sénateur du Royaume d'Italie, Inst. de Physique Rome. Phys.

Bodio, L., Rome.

Bombicci-Porta (Comm. Chev.), Louis, Prof. de Min. et Dir. du Cabinet Min. de l'Univ. Royale, Bologna. Min. C. 42,000 (116 meteorites) specimens in the University. Ex. Offers mineral crystals of Italy and Meteorite, Alfanello 1883, in exchange for those of other countries. Bologna, Via Zamboni 34.*

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Borbonnese, Cav. Emilio, Conservatore del Museo Civico, Turin. Bordiga, Dr. Oreste, Prof. of Agric., R. Scuola Superiore d'Agric., Portici (near Naples).

Borelli, Dr. Alfredo, Assist. al R. Mus. di Zool. di Torino. Zool., Vermes.

Bosniaski, S. de, Bagni di S. Giuliano, Pisa. Veg. Palæo.

Bottini, Dr. Marchese Antonio, Ajuto alla Cattedra di Bot. della R. Univ. di Pisa. Veg. Anat., Bryol.

Brioschi, Francesco, Dir. Inst. Tech., Milan. Math.* Briosi, Giovanni, Prof. and Dir. Bot. Gardens, and Crypt. Lab., Orto Bot.,

Pavia. Bot., Fungi, Anat., Histol. C. Mycol. Ex. Brogi, Cav. Sigismondo, Naturaliste, Siena. General Sciences. C. Buys, sells, and exchanges Nat. Hist., objects, except Bot. specimens, Laboratoir et Magasin d'Hist. Nat.*

Buscalioni, Dr. Luigi, Via S. Massimo 6, Turin. Bot., Anat., Cell.

Calandruccio, Dr. S., Catania, Sicily. Parasitic Worms.

Caleri, Dr. Ugo, Museo di Bot., Via Romana 19, Florence. Bot.*

Calloni, Dr. Silvio, Assist. R. Univ., Pavia. Bot., Geog. Dist., Ent. Camerano, Lorenzo, Prof. di Anat. comp., R. Museo di Anat. comp., Palazzo Carignano, Turin. Morphol., Emb., Anat., Herpetol., Histol., Worms.

Camus, Prof. Jules, Scuola Superiore di Guerra, 16 Via Bogino, Turin. Bot., Veg. Teratology.
Canalis, Prof. Dr. Pietro, Genova. Develop. Teeth, Mammals.

Candotti, Policarpo, Preparatore al Gabinetto d'Anat. Comp. dell' Univ., Genova.

Canestrini, Giovanni, Prof. all' Univ. di Padova, Piazza Forzaté 1506. Zool., Gen. Biol., Vert. and Invert. Anat., Anth., Ichthyol., Arach., spec. Acaroidea.* Cannizzaro, Prof. Stanislao, Senatore Istituto Chimico della Regia Univ.

di Roma, Via Panisperna, Rome. Chem.

Capellini, Giovanni, Via Zamboni, 59, Bologna. Palæo., Strat. Geol., Lithol.*

Caruel, Teodoro, Prof. de Bot. et Dir. du Jardin et du Musée Bot. de l'Institut des Etudes Supérieures, Florence. Bot.

Casoria, Prof. Eugenio, Asst. of Gen. Chem., R. Scuola Superiore d'Agric.,

Portici (near Naples).

Cattaneo, Giacomo, Dr. Nat. Sci., Socio dell' Istit. Lomb. e della Soc. Ital.
d. sc. nat., Prof. ord. d'Anat. comp. nella R. Univ. di Genova Morphol., Emb.*
Cavara. Dr. Fridiano, Instituto botanico, Pavia. Bot: Fungi, Veg. Palæo.,

Mucol. Ex.*

Cermenati, Mario, Museo Geologico, R. Univ., Rome. Gen. Geol., Storia della Geol. e della Palæo., geogenia.

Cerulli, V., Teramo. Ast.
Chiamenti, Prof. Alex., R. Scuola tecnica, Chioggia. Bot., Moll. C. Ex.*
Chiamenti, Giulio, Anat. Institute, Florence. Vert., Morphol.
Chionio, Dr. Tito, Asst. al R. Musco di Min., Turin. Min.
Chiovenda, Emilio, Dr., Piazza Fiammetta 11, Rome. Phæn. Plants,

Ferns, Mosses, Fungi. C. Ex. Ciaccio, Giuseppe V., Prof. ord. Anat. Comp., Bologna. Vert., Invert.

Ciamician, Prof. Giacomo, R. Univ., Bologna. Org. Chem.

Cicioni, Giulio P., Prof. des. Sci. Natur., Perugia pel Colle del Cardinale, Umbria. Phan. Plants, Mosses, Lichens.*
Clerici, Enrico, Ingénieur, et Doct. Sci. Nat., Via delle Quattro Fontane

159, Rome. Strat. Geol., Palæo., Mam. (Moll. et Végét. tert. et quat.).*
Cocchi, Prof. Igino, Florence. Geol.

Comes, Dr. Orazio, Prof. R. Scuola Sup. Agric., Portici (near Naples). Veg. Pathol.

Cossa, Alfonso, Prof., Dir. R. Scuola d'Applicazione per gl' Ingegneri, Turin. Chem.

Costa, Prof Dott. Achille, R. Univ., Napoli. Ent.

Cristin, Dr. Almerico, Prof. of Zootechny, R. Scuola Superiore d'Agric., Portici (near Naples).

Cuboni, Prof. Dr. Guiseppe, R. Stazione di Patol. Veg., Roma. Bot., Veg. Pathol.

Curo, Antonio, Bergamo. Lepid.

D'Achiardi, Antonio, Prof. Univ., Pisa. Min.

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Damry, E., Naturaliste, Sassari, Sardinia. Fauna of Sardinia and Corsica.

D'Ancona, Cesare, Doct. ès Sciences, Prof. de Palæo. du R. Ist. di Studi Superiori di Firenze, 12 Via Alfieri, Florence. Palæo., Living Malacology. Ex. for Mus., Fossils and L. & F.W. shells.*

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Degni, Rev. J. M., Prof. Phys., Convitto Pontano Conocchia, Naples.* Dei, Prof. Apelle, Delegato della Società generale dei Viticoltori Italiani, Via dei Tufi 1, Siena (Tuscany). Orn., Ent., Comp. Anat. C. Exbirds' skins and insects of the orders of Colcopt., Hemipt.

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Copepoda.

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Parma. Strat. Geól., Zool., Vert.* Del Prete, Dr. Raimondo, Viareggio, Tuscano. Malacol. C. Ex.*

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Vaticana, Roma.*

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De Toni, Dr. G. B., Prof. suppl. de Bot, Univ., Subirbio Vittorio Emanuele 4, Parma. Algæ Desmids, Diatoms. C. Algæ*

Devincenzi, G., Senator, Giulianova, Provincia di Abruzzo, Ultra Io.

Di Frassincto, Alfredo, Comte, Via Palestro 3, Florence. Mic., Zool. Doderlein, Prof. P., Palerno, Sicily. Zool., Ichthyol.

Dohrn, Prof. Dr. Anton, Zool. Station, Naples. Zool.* Doria, Marquis G., Museo Civico di Storia Naturale, Genoa. Vert.

Dorna. Alessandro, Dir. Roy. Ast. Obs., Turin.

Dructti, Alessandro, Ingénieur, Asst. à l'Ecole d'application des Ingénieurs, rue Lagrange 34, Turin. Min.

Dupont, Theodore, Omegna, Piemonte. Photog., Philol. C. Ex.* Elsig, Prof. Dr. Hugo, Stazione Zool., Napoli. Annelids. Emery, Carlo, Prof. di Zool. nella R. Univ., Bologna. Zool., Vert. Anat., Ent., Hymenopt., Formicide. C. Formicidae of the world. Ex. Fabretti, Prof. Ariodante, Keeper of Mus. of Antiquity, Univ., Turin.

Arch, espec, Etruscan and Roman Arch.*

Failla Tedaldi, Luigi, Castelbuono. Ent. C. Ex.*

Farneti, Rodolfo, Assist. Crypt. Lab., Orto Botanico, Pavia. Bot : Phan. and Crypt. Plants, Mosses.

Fea, Leonardo, Civ. Mus., Genoa. Ent.*
Fergola, Prof. E., Naples. Ast.
Ferraris, Prof. Galileo, R. Museo Industriale Italiano, Turin. Elect.

Ferrero, Avv'to, Francesco, Turin, Via Genova 29. Bot., Anat. Fileti, Prof. Michele, R. Univ., Turin. Org. Chem. Fiori, Dr. Adriano, Assist. Bot., Univ., Padova. Bot: Phæn. Plants.* Fiori, Andrea, Prof. Storia Naturale, Licco, Fuori Porta d'Al Zeglio 360, Bologna. Orn. (Italian), Coléopt. (Éurope). C. Ex. of Colcopt. Fiori, Dr. P., R. Ist. Bot. dell'Univ., Padova. Phæn.

Fletcher, Rev. Dr., rione Amedeo, Naples. American Literature and Scientific Progress.

Folgheraiter, Dr. J., Inst. de Physique, Via Panisperna, Rome. Physics.* Fornasini, Carlo, Museo Geol., Univ, Bologna. Foraminifera. Frassineto, Comte A., Via Palestro 3, Florence. Zool.

Freda, Prof. Dott. Pasquale, Dir. della R. Stazione chimico agraria di Roma, Rome.

Fusari, Dr. Romeo, Prosect. Anat. Inst., Univ., Messina. Nerv. Amphior.
Galli-Valerio, Dr. Bruno, Scuola Sup. di Med. Vet., Milan.

Vert. Anat., Mammals, Orn., Herpetol., Histol. C.*

Garofoli, Dr. Alessandro, Assist. of Agric., R. Scuola Superiore d'Agric., Portici (near Naples).

Gemellaro, Prof. Gaetano Giorgio, Roy. Univ., Palermo, Sicily. Min.,

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Gisesbrecht, Dr. Wilhelm, Stazione Zool., Naples. Zool., Crustaeca.
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Giglioli, Italo, M.R.A.C., Prof. of Agric. Chem., Dir. della R. Scuola Superiore d'Agric., Portici (near Naples).*
Giylio-Tos. Ermanno. Dr., Assist. R. Museo di Anat. comp., Palazzo Ca-

Giglio-Tos, Ermanno, Dr., Assist, R. Musco di Anat. comp., Palazzo Carignano, Turin. Dipt.*

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Golgi, Camillo, Dott., Prof. ord., Univ., Pavia. Nematodes, Pathol., His-

tol., Mic.

Grassi, Prof. G. Battisto, Prof. di Zool. ed Anat. Comp., Univ. Catania, Catania, Sicily. Parasitic Worms, Emb., Ent., Vert. ed Invert. Palæo., Zool., Gen. Biol., Morphol., Anat., Vert., Orn., Ichth., Hist.,

Artic., Orthopt., Neuropt., Arach., Milyipp., Protozoa. C. Ex.*
Grattarola, Prof. G., Piazza S. Marco, Florence. Min.
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Turin. Hymenopt. C. Ex. Desires to buy or exchange Hymenopt. Aculeata from any part of the world., Correspondence solicities. cited.

Griffini, Achille, Zool. Mus., Turin. Aquatic Insects, Colcopt., Hemipt., Orthopt., Dipt.*

Grimaldi, Clemente, Modica (Sicily). Hort. Grimaldi, Giovan Pietro, Libero docente di Fisica nella R. Univ. di Roma, Via Panisperna. Physics, Elect., Photog.

Guerritore, Signora Annie, Villa Dalgiudica, Posillipo, Naples. Bot. Hanbury, Com're Thomas, La Mortola, Ventimiglia. Acclimatization of sub-tropical and other exotic plants.*

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Issel, Prof. Arturo, R. Univ., Genoa. Geol., Palæo.*

Jervis, Cavaliere Guglielmo, Conservatore del Reale Museo Industriale Italiano, Turin. Author of work on the topographical min. and

con geol. of Italy, entitled, "I Tesori Sotterranei dell' Italia," 4
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Johnston-Lavis, H. J., M.D., M.R.C.S., B. ès Sc., L.S.A., F.G.S., Prof.
of Vulcanology R. Univ. of Naples, Honorary, late Acting Physician
and Surgeon to Messrs. Sir Wm. Armstrong, Mitchell & Co.'s
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Physics.

Kleinenberg, N., Prof. Univ., Messina. Annelids, Hydroids, Emb. Koenig, Dr. Fr., Dir. della Stazione agraria, Turin. Agric., Org. Chem.,

Min., Meteo.

Lessona, Prof. Comm. Michele, Direttore del R. Museo Zool., Turin. Gen. Zool., Vert.

Levier, Dr. E., Via S. Frediano 16, Florence. Bot. Lieb, John W., M.E., Via S. Radegonda N. 4, Milan. Elect.* Lo Bianco, Salvatore, Conservator Stazione Zool., Naples.

Luigi, Dr. Botto Micea, Via Academia Albertina, N. 21, Turin. Fossil Echinoderms.

Luigioni, Paolo, Via Muratte 66, Rome. Coleopt.
 Macchiati, Dr. Luigi, Prof. di Storia Naturale nel R. Istituto Tecnico e
 Libero docente in Bot. all' Univ. di Modena. Fisiol. veg. Bacteriol.,

Diatomée, Oscillariacée.

Maggi, Leopoldo, Prof. Univ., Pavia. Protistes and Protozoa.

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Mancini, Prof. Dott. Vincenzo, R. Scuola Enologica, Avellino. Phys., Mech.

Martelli, Ugolino, Sec. de la Soc. Bot. d'Italie, 8 Via della Forca, Florence. Bot. Ex.*

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Massalongo, Dr. C., Prof. de Bot. et Dir. du Jardin Bot. dans l'Univ. de

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Kallenbach, Dr. F. W. O., Rotterdam. Lepid.
Kapteijn, J. C., Prof. der Ast. a. d. Univ., Groningen.
Kate. Herman F. C. ten. Ph.D., M.A., Scheveningen. Kate, Herman F. C. ten, Ph.D., M.A., Scheveningen. Zool., Anth., Arch., Geol., Ethnog.* Kerbert, Coenraad, Ph.D., Dir. Royal Zool Soc. "Natura Artis Magistra." Amsterdam. Zool., Gen. Biol., Morphol., Emb., Anat., Eth., Vert., Invert. C. (Society). Ex. Kinker, J., Keirersgracht 580, Amsterdam. Diatoms. C. Ex. Kolk, Dr. J. L. C. Schroeder van der, Teacher High Burghal Sch., Deventer. Erratica. Koningsberger, Dr. J. C., Assist. Bot. Lab., Utrecht. Korteweg, D. J., Prof. Univ., Amsterdam. Math., Ast.* Kuenen, Dr. J. P., Conservator Phys. Lab., Leiden. Phys.* Lako, D., Zwolle. Dutch Flora. Langen-Wendels, Rev. Father G. de, Huissen, adjoining Arnhem. Palæo., Geol., Min. C.* Leesberg, A. F. A., Gedempte Burgwal 33, Gravenhage. Coleopt. Leeuwen, Dr. J. van, Jr., Hoogleeraar aan 's Rijks Univ. (Pieterskerk-Liedewen, Dr. J. van, Jr., Hoogheeraar aan's Rijks Univ. (Fleterskerkgracht 11), Leiden. Lepid.
Lidth de Jeude, Dr. Th. W. van, Cons. bij 's Rijks Mus. van Natuurlijke Historie, Boommarkt, Leiden. Herpetol.*
Lindo, Miss C., Conserv. Colon. Mus., Haarlem.
Lodeesen, J. W., Tulpstraat 6, Amsterdam. Lepid.
Loman, Dr. J. C. C., Leidschekade 96, Amsterdam. Zool.*
Lorentz, Dr. H. A., Prof. Univ., Leiden. Math., Phys.
Lorié, Dr., Privat-Docent, Geol. Museum, Utrecht. Geol. of the Netherlands* lands.* Lycklama à Nycholt, Dr. T., Westersingel 83, Rotterdam. Lepid. Maitland, R. T., Commelinstraat 17, Amsterdam. Ent. Man, Dr. J. C. de, Senior, Middelburg. Anth., Ool., Crania. C.* Man, Dr. J. G. de, Middelburg. Crustacea, Helminthol.*
Martin, K., Prof. Univ., Leiden. Min., Geol.*
Mayer, Prof. Dr. Adolf E., Dir. Station Agronomique, Wageningen. Chem., Gen. Biol.

Mecrdervoort, Dr. J. L. C. Pompe van, Bergen-op-Zoom. Meijere, Dr. J. C. H. de, Spinhuissteeg 5, Amsterdam. Mellink, Dr. J. F. A., Leiden. Bot. Merens, Capt. Meinard, Prins Hendrikkade, Amsterdam. Ent., Coleopt.* Middendorp, Dr. H. W., Prof. Univ., Groningen. Pathol. Anat., Pathol. Gen.

Modderman, Prof. R. S. Tjaden, The Hague. Chem.*
Molengraaff, Dr. G. A. F., Prof., Univ., Amsterdam. Min., Crystall. C. Min. and Rock spec.

Mill. and Nock Spec.

Moll, Dr. J. W., Prof. Bot., Botanical Gardens, Groningen. Bot.*

Mulder, Dr. E., Prof. Univ., Utrecht. Org. Chem.*

Onnes, H. Kamerlingh, Prof. State Univ., Leiden. Exper. Phys.*

Oudemans, Jsz. Dr. A. C., Dir. des Zool. Gartens zu Haag, Mitglied der Niederländischen Ent. Gesellschaft, der Niederl. Zool. Gesellschaft, und des Niederl. Naturwiss. Congresses, zu Haag.*

Oudemans, Dr. A. C., Polytechn School, Delft. Chem.*

Oudemans, Dr. C. A. J. A., Prof. Univ., Sec. of the Royal Academy of Sciences, Amsterdam. Bot., Mycol.*

Oudemans, Dr. J. A. C., Dir. of Observatory, Prof. Univ., Utrecht. Ast.. Geodesv.*

Oudemans, Dr. J. Th., Privat-Docent., Univ., Middenlaan 78, Amsterdam. Zool., Ent.*

Pijp, W. Assist. Bot. Lab., Groningen.

Pitsch, Dr. Otto, Prof. Agric., Agric. Coll., Wageningen. Agric.

Plants, Dr. J. D. van der, Prof. Vet. Sch., Utrecht. Chem.

Pleyte, C. M., Dir. Ethnog. Mus. of the Society "Natura Artis Magistra," Amsterdam.

Pleyte, Dr. W., Dir. Arch. Mus., Leiden. Arch. Poll, J. R. H., Neervoort van de, Heerengracht 476, Amsterdam. Côleopt.

Ras, Dr. P. H. J. J., Velperweg 56a, Arnhem.
Rauwenhoff, Dr. N. W. P., Prof. Univ., Dir. Bot. Gardens, Utrecht.

Anat. and Physiol. of plants, Cryptogams.* Reinders, G., Prof. Chem. and Geol., Agric. Coll., Wageningen. Chem.,

Geol. Reuvens, C. L., Ph.D., Conserv. Mus. Nat. Hist., Leiden. Vert., Ichthyol.*

Ringeling, H. G., M.D., 2. Bilderdijkstr. 38, Amsterdam. Bacteriol.*
Ritsema, C. Czn., Mus. Nat. Hist., Rapenburg 94, Leiden. Articulates.* Ritzema, Bos, Dr. J., Member Internat. Phytopathol. Commission. Prof. Zool., Agric. Coll., Wageningen. Injurious Insects and other

Lower Animals. Plant Diseases.* Roelofs, W., Rijnstraat 20, Gravenhage. Curculioniden.

Roos, P. F. van Hamel, Dr. Phil. nat., Analyt. Chemist, Rédacteur en chef de la Revue Internationale des Falsifications, 146 Spuistraat, Amsterdam. Chem., Mic. Desires communications concerning adulterations of food, etc. Ex. with chemical Journals.*

Rosenberg, Dr. Acm., Prof., Univ., Utrecht. Anat.*

Rossum, Dr. A. J. van, Eusebiusplein, Arnhem.

Ruge, Georg, Prof. Dr., Anat. Anstalt, Amsterdam. Anat., Mammals.

Ryckevorsel, Dr. E. van, Rotterdam. Terrestrial Magnetism.

Saltet, R. H., Doct. Med., Westeinde 7, Amsterdam. Hygiene.

Sanger, Dr. W. M. H., Prof. Univ., Groningen.*

Schemman, M. M. Bhoon, pear Rotterdam. Mulnets. C. Ex.

Schepman, M. M., Rhoon near Rotterdam. *Mollusts*. C. Ex. Schmeltz, J. D. E., Cur. Ethnog. Museum, Rédaction Intern. Archives für Ethnographie, Leiden. Ethnog., Ethnol., Anat., Zool., Geog.

Schols, Dr. Ch. M., Prof. Polytechnic College, Delft. Math., Geod.*

Schreinemakers, F. A. H., Leiden. Phys. Chem.*

Schubärt, Dr. J. W., Utrecht.

Seipgens, Emile, Leeraar aan de Hoogere Burgerschool, Zoeterwoudschesingel, Leiden. Coleopt. Serrurier, L., Dir. Ethnog. Mus., Leiden. Chem.

Six, G. A., De Ruiterstraat 65, Gravenhage. Hymenopt.

Sluiter, Dr. C. P., Prof. Zool., Univ., Amsterdam, Alexanderkade. Echinoderms.

Snellen, Dr. II., Prof. Stat. Univ., Utrecht. Ophthalmol. Snellen, Dr. Maurits, Chief Dir. Royal Dutch Meteorological Inst., Utrecht.

Meteo.*

Snellen, P. C. T., Wijnhaven 45, Rotterdam. Lepid.
Snijders, J. A., C.J.Z., Prof. State Polytechnic School, Delft. Phys.
Spronck, Dr. C. H. II., Prof. Univ., Utrecht. Pathol.
Stadt, Dr. H. van de, Dir. der Hoogere Burgerschool te Arnheim.

Meteo., Phys.

Stolk, J. B. van, Schie 23, Rotterdam. Lepid. Suringar, Dr. W. F. R., Prof. State Univ., Dir. Bot. Gard., Leiden. Bot., Dutch Flora, A/gæ.

Themaat, Dr. M. C. Ver Loren, Huize Schothorst, te Hoogland, hij Amersfoort. Algemeene Ent.

Tubergen, C. G. van, Jr., Haarlem. Bot: Phæn. Plants, Hort., Mic. C. Ex. Corr. solicited on Bot. subjects.

Uijen, H., Priemstraat, Nijmegen. Lepid.

Verschaffelt, Dr. Ed., Assist. Bot. Lab., Peterkiesstraat 14, Haarlem.

Verster van Wulverhorst, F. A., Administrateur Mus. Nat. Hist., Rapen-

burg 40, Leiden.

Veth, Dr. H. J., Boezemsingel 118, Rotterdam. Coleopt. C. Ex. European for N. American specimens.*

Veth, Dr. P. J., Oud-Hoogleeraar, Villa Maria, Utrechtscheweg 22,

Arnhem. Vink, Johan P., C. of H. Duys, Nijmegen. Lepid.

Visser, P. C., Sec. R. Dutch Meteo. Inst., Utrecht. Phys., Meteo.*

Vosmaer, G. C. J., Ph.D., Utrecht. Zool., Morphol., Emb, Anat.* Vries, Dr. Hugo de, Member of the International Phytopathol. Commission; Prof. in the Univ. of Amsterdam. Phytopathol., Physiol., Biol. of Plants.

Vries, Johannes de, P. C. Hooftstraat 82, Amsterdam. Lepid. C. Ex. Vuyck, L., Assist. Bet. Lab., Leiden. Waals, J. D. van der, Prof., Univ., Amsterdam. Phys. Wasmann, Erich, S. J., Exacten, b. Roermond, Limburg. Myrmecophical Computation of the Computation of

Murmecophilous and Termitophilous Insects, Coleopt. esp. Staphylinida. C.

Weber, Max, Prof. Zool., Amsterdam. Comp. Zool.

Weijtlandt, A. J., Westzaan. Colcopt.

Wenckebach, Dr. K. F., Utrecht. Morphol., Emb., Vert. Anat. Westmaas, E. A. de Roo van, Huize Daalhuizen, Velp. Lepid.

Wichmann, C. E. A., Prof., Univ., Utrecht. Min., Geol.
Wijhe, Dr. J. W. van, Prof. Anat., Rijks Univ., Groningen. Emb.,
Morphol., Anat.* Wijk, H. L. Gerth van, Leeraar aan de Hoogere Burgerschool te Middel-

burg. Hymenopt. aculeuta.

Wijsman, Dr. H. P., Prof. Pharm. and Toxicol., Univ., Leiden * Wirtz, Dr. A. W. H., Dir. of the Veterinary College, and of the State Vaccine Establishment, Utrecht.*

Wulp, F. M. van der, Sec. Dutch Ent. Society, Trompstraat 154, The Hague. Ent.: Dipt. C. Ex.

NORWAY.

Appellöf, Dr. Ad., Conservator of the Mus. of Bergen. Zool. Arbo, Dr., Sanitäts major, Christiansand, S. Anth. Bahr, Henrik E. S., Stavanger. Zool.*

Bergström, H. A., Hort., Agrie. Inst., Aas, Christiania.

Bjerknes, Prof. Dr. C. A., University, Christiania, Gronne Gade 6. Math.*

Björlykke, K. O., Geol. Survey of Norway, Christiania. Palæo., Geol. C. Ex.*

Blehr, F. W., Dr. jur., Christiania. Orn., Ool.*

Blytt, Axel, Prof., Univ., Christiania. Bot., Geog. Dist. of plants, Mycol., Geol. Time.

Boeck, Dr. Caesar, Christiania. Bacteriol.

Brögger, W. C., Prof. Univ., Christiania. Geol., Min. Brunchorst, J., Dr. Phil, Curator of Mus., Dir. of "Naturen," Magazine of Nat. Sei., Bergen. Bot., Physiol., Fungi. Buch, S. A., Sec'y of the Soc'y for promoting Norwegian fisheries, Ber-

Zool., Fishes.

gen. Zool., Fishes.
Casperson, Ove, Christiania. Photog.
Collett, Robert, Prof. of Zool., and Dir. of the Zool. Museum of the Univ., Christiania. Vertebrates.

Danielssen, Dr. Daniel Cornelius, Chief Physician, Pres. of the Mus., Bergen. Marine Invertebrates. Ex. for the collection of the Museum. Foslie, M., Cur. Mus., Trondhjem. Algology. C. Ex.*

Fridtz, R., Chem. Lab., Christiania. Bot.

Friele, Herman, Dir. of the Museum, Bergen. Malacol. C.

Gade, Dr. F. G., Prosector of Hist., Demonstrator of Mic., Anat. Inst., Christiania.*

Geelmuyden, H., Prof., Univ., Christiania. Ast.

Grieg, James, Cur. Mus., Bergen. Zool. Guldberg, Prof. Dr. Cato M., Univ., Christiania. Math.*

Guldberg, Frol. Dr. Cato M., Oniv., Christiania. January.
Guldberg, Fredrik Oscar, Dir. of Schools, Trondhjem. Gen. Biol., Orn.*
Guldberg, Gustav A., Prof., Dr. Med., Dir. Anat., Univ., Christiania.
Vert. Anat., Anth., Mammals, Cetology. C. Ex.*
Gustafson, G. A., Cur. of Mus., Bergen. Arch.
Hagemann, Axel, Forstassist., Alten. Arctic Coleopt. C.

Hansen, Andreas M., Ph.D., Assist. at the Univ. Library, Christiania. Geol.*

Hansen, G. Armauer, Chief Physician, Bergen. Zool., Annelids, Marine Invert.*

Heiberg, Prof. Hj., Univ., Christiania. Bacteriol. Helland, A., Prof., Univ., Christiania. Geol.

Helliesen, Tor, Curator Stavanger Museum, Stavanger. Mammals, Orn., Ent. Natural objects for the coll. of the Mus. C. Ex.*

Hiorthdal, Th., Prof., Univ., Christiania. Chem.

Hjort, Dr. Johan, Christiania. Zool., Histol.

Holst, Dr. A., Christiania. Bacteriol.

Holtsmark, Bernt, Director, Agric, School Sem., Asker bei Kristiania Agric.

Kaalaas, Baard, Cand. real. Gjertsens skole, Christiania. Mosses. C. Ex.

Kiaer, F., M.D., Christiania. *Mosses*. Koller, Th., Dir. Agric. Inst., Aas, near Christiania. Landmark, A., Gov't Inspector of Fisheries, E.A.T., Christiania. *Orn.*,

Bot. C.
Landmark, Rev. J. R., Flakstad. Bot. C. especially of Arctic Zone.*
Landmark, J. T., Prof. Agric. Inst., Aas pr. Kristiania. Agric.

Misvaer, II., Drontheim. Bot. Mohn, H., Prof. Dr., Univ., Christiania. Meteo. Nansen, Fridtjof, Ph.D., Christiania. Zool., Histol.

Nielsen, Dr. Y., Prof. Univ., Christiania. Ethnog. Norman, J. M., Forstmæster, Larvik. Arctic Norwegian Phæn. Flora, Lichenol. C.*

Növik, Peter, Christiania. Ed. and Sec. of the Norwegian Hort. Soc. Phan. and Crypt. Plants, Ferns, Hort. C.*

Oeyen, P. A., Christiania. Geol.
Olsen, Dr. Johan, Christiania. Fungi.
Pihl, O., C.E., Dir. Christiania Gas Works, Christiania. Ast.*
Reusch, Dr. Hans., Dir. Geol. Survey of Norway, Christiania. Geol.,

Lithol., Photog.*

Rygh, O., Prof. Arch., Univ., Christiania.

Sars, Georg O., Prof. de Zool., Univ., Christiania. Zool., Gen. Biol., Geog. Dist., Morphol., Emb., Anat., Anth., Crustacea, Moll., Radiates.

Schiötz, O. E., Prof. Phys., Universität, Christiania. Geol., Phys.* Schmelck, Ludvig, Christian d. 4de Gade 4, Christiania. Min., Analyt-Chem., Mic. C. Ex.*

Schneider, Jacob Sparre, Con. Mus., Tromsö. Ent : Arctic Lepid., Crus-

taeea, Motl., Geog. Dist. C.* Schöyen, W. M., Cur. (Konservator) and State Ent., Zool. Mus., Univ.,

Christiania. Fungi, Ent.*
Schroeber, T. Fr., Univ. Observ., Christiania. Ast.*
Sebelien, John, Prof. Chem. and Physics, Agric. Coll., Aas pr. Christiania. Phys. and Agric. Chem. C. Chem. substances. Smith, K. F., Kistrand. Arctic Lepid. and Moll., Postage Stamps. Steen, Aksel, Sec. Meteo. Inst., Christiania. Meteo.*

Storm, V., Cur. Mus., Trondhjem. Zool.*

Thesen, Oluf, Prof., Agric. Inst., Ass. Mic., Zool., Vert. Anat.* Thomassen, T. Ch., Bergen. Norwegian Min. and Geol.

Thome, Johan, M.D., Fredrikstad. Birds and Eggs. Thome, Wilhelm, M.D., Stenkjer. Insects. C. Ex. Tornoë, H., Univ., Christiania. Chem. Torup, Dr. Sophus, Prof. Univ., Christiania. Physiol. Vogt, J. H. L., Prof., Univ., Christiania. Metall.* Waage, Prof. P., Christiania. Chem.

Wille, Dr. N., ord. Prof., Univ., Dir. d. Bot. Garten, Christiania. Eot :

Fungi, Algæ, Desmids. C. Ex.* Zetlitz, K. A. L., Tönset. Anat., Zool.

PORTUGAL.

Bastos, Dr. Henrique Teixeira, Prof. of Fac. of Philos., Arcos do Jardin 15, Coimbra. Anth., Meteo.

Bensaude, Alfred, Doct. ès sciences, Prof., Membre de la Commission des travaux géologiques, 2 rua Saraiva de Carvalho, Lisbonne. Min., Crystall., Lithol. C. Ex.*
Campo Bello, Conde de, Acad. Polytechnic, Porto. Physic.

Carqueja, Bento, Dir. du Jardin Bot. de l'Ecole Normale de Porto et du journal "O Commercio do Porto." Phæn. and Crypt. Bot., Ferns, Geol., Min. C. Ex.*

Carvalho Monteiro, Antonio Augusto de, D.S., LL.D., rua do Alcerim 70, Lisbon. Lepid. of the globe. C. Ex. Offers European, Brazilian, and African (from Portuguese colonies) spec. for those of Mada-

gascar, India, China, Ceylon, Australia, N.A., etc.
Choffat, Paul, 113 rua do Arco a Jesus, Lisbon. Invert. Palæo., Geol. C.
Corrêa Barata, Dr. Francisco Augusto, Prof. Univ., Coimbra. Org. Chem.

Costa Sequeira, Pedro Victor da, Insp. des Mines, Lishon. Mines.

Cotter. J. C. Berkeley, Attaché à la Direction des Travaux Géol. dn. Portugal, 113 R. do Arco a Jesus, Lisbon. Tert. Palæo.*

Danvers, Alan, 60 Travessa Santa Justa, Lisbon. Elect.

d'Aranjo e Ca-tro, J. A., Coimbra. Bot.

Delgado, Joaquim Filippe Nery. Inspector des Mines, Dir. de la Commission des travaux géol., 113 Rua do Arco a Jesus, Lisbon. Geol., Anth., Arch.*

Ferreira da Silva, A. J., Membre de l'Acad. royale des Sci. de Lisbonne, Prof. de Chimie organ, et analyt à l'Ecole Polytechnique de Porto, Dir. du Lab. Municipal et Vérificateur du gaz, Porto Chem.

Ferreira Roquette, Francisco, Prof, Eschola Polytechnica, Lishon. Geol., Mines.

Ficalho (Comte de), Prof. de Bot. à l'Ecole Polytech., Dir. du Mus. d'Hist. Nat., Lisbonne. Bot.

Fonseca Monteiro, Severiano Augusto da, Prof. Inst. Industrial, Lisbon. Min.

Garrido, Dr. Antonio de Meirelles, Prof. Physics, Patco do Castilho 5, Coimbra. Elect., Optics.

Girard, Albert Alex., Conserv. du Musée Zool., Mus. d'Ilist. Nat., Ecole Polytech., Lishon. Malacol., Ichthyol. C. Ex.

Gomes, Dr. Francisco José de Sousa, Prof. Chem., Largo da Mathematica

4, Coimbra. Inorg. Chem. Gomes, Jacintho Pedro. Attaché au Musée d'Hist. Nat., Eschola Poly-

technica, Lisbon. Min., Petroq. Gonçalves Gunnaraes, Dr. A. J., Prof. Min. et Géol. à l'Univ., Rue Larga

11, Coimbra. Palæo., Geol, Min., Philol.* Henriques, Dr. Julio Augusto, Prof. Bot., Edificio de S. Bento, Coimbra. Bot

Lima, Dr. W. de Sonza Pereira, Prof. de Géol. à l'Acad. Polytechnique,

137, Cedofeita, Oporto. Geol, Veg. Palæo. Luzo da Silva, Augusto, Prof., Lyceum, Oporto. Bot : Crypt.

Machado Guimarães, Dr. Bernardino Luiz, Prof. Univ., Coimbra. Agric. Mattozo Santos, Fernando. Prof. Zool., Polytech. School. Zool. Mus., Lishon. Morph., Emb., Anat, Herpetol., Histol., Ent., Myriopoda.*

Oliveira, Dr. Manoel Paulino de, Prof. Univ., Coimbra. Invert.* Percira, Continto, Prof. Substitut de Rot., Ecole Polyt., Lisbon. Pitta, Dr. Jo-é Percira de Paiva, Prof. Portuguese Ecclesiastical Law,

Univ., Coimbra. Philol. Rodrigues, Dr. José Maria, Prof Theol., Univ., Coimbra. Philol.* Santos Viegas, Dr. Antonio dos, Prof. Univ., Coimbra. Phys. Tait, Wm. C., C.M.Z.S., Oporto. Mic., Zool., Orn., Ool., Herpetol. Vicers, Dr. Luiz dos, Edificio da Univ, Coimbra. Anth. Vicirc, Dr. Adriano Xavier Lopez, Prof. Medicine, Coimbra. Vert.

ROUMANIA.

Antipa, Gr., Dr., Mus., Bucharest. Zool.* Assaky, Georg, Prof. Dr., 25 Pensionnat, Bucharest. Emb., Anat. Cobalcescu, Gr., Prof. de Géol. et Min., Univ., Tassy. Geol., Palaco. Cosmovici, Dr. Leon C., 31 Strada Eternitate. Tassy. Prof. de Zool., Anat. comparée et de Fisiol., à la Faculté des Sciences de l'Univ.

Georgesen, Ilie, Hülfsarbeiter am botan, Institut, Bucharest.
Grecesen, Demotrius, M.D., Prof. à l'Univ. de Bucharest, Membre de plusieurs Societés, Bucharest, Strada Verde 5. Bot: Phæn. Piants.* Leon, Dr. N. Prof de Zool, à la Faculté de Méd cine de Tassy.

Licherdopol, Prof. J. P. (Bura), Chaussée Dorobauti, Bucharest. Geol .. Bot C. Ex. fossils, moll. and rocks of all countries.

Papovici, A., Asst. am Botan. Inst., Bucharest. Vladesen, Michel, Prof. de Bot., Univ., Tassy. Bot : Phan. and Crypt. Piants, Ferns, Fungi, Alga, Desmids, Gen. Biol. C. Ex.

RUSSIA.

(SEE ALSO RUSSIA IN ASIA.)

Agguéenko, Wladimir, Privat-docent à l'Univ. de St. Petersburg. Phan Bot.*

Alexeveff, Pierre, Prof. Univ., Kiew. Chem. C. Ex.

Anziferoff, Paul G., Dir. du Jardin Imp. à Nikita, Crimea. Hort., Zool., Orn , Tax., Ent.* Ballion, Erneste, Conseiller d'Etat Actuel, Novorojsiisk sur la Mer Noire

au Caucase. Coleopt. C. Ex.
Barlurth, Dr. Dictrich, Prof. Anat., Emb. and Hist., Dorpat. Gasteropods, Cyclostoma. Ex.
Bataline, Alexandre, Prof. and Dr., Jardin bot. Impériale, St. Petersburg.

Beck, Dr. Alexander, Prof. am Baltischen Polytechnicum, Riga.

Belajeff, Wladimir, Varsevie, rue Nowogrodzka 36, Jardin pomologique. Bot.

Belikoff, Serge, Colonel, Prof. de l'Ecole Militaire d'Alexandre, Moscow. Geol., Photog., Ast., Topog.*

Belopolsky, A., Pulkowa. Ast.
Bewad, Dr. T., Prof. Chem., Inst. of Agronomy and Silviculture, Norwaja Alexandria, Gouv. Lublin. Org. Chem.
Bianchi, Valentin, Curator Zool. Muss., St. Petersburg, Imperial Acad.

Sci., Zool Mus. Orn., Lepid., Coleopt., Orthopt.
Biel, Dr Johannes, Analyt. Lub., St. Petersburg. Analyt. Chem.*
Bispen, Théodor, Moika 42, Qu. 41, St. Petersburg. Lepid.
Bobritzky, N., Prof., Zool. Zoot. Mus., Kiew. Emb., Invert.
Bobylew, D., Prof. der Mechanik an der Univ. zu St. Petersburg.

Bogdanow, Anatole, Prof. Vert. Zool., Univ., Moscow, Dir. Zool. Mus. Gen. Biol., Anth. Borgman, J. J., Prof. Physics and Electro-technics, Univ. und Techn.

Inst., St. Petersburg.* Borodine, Jean, Dr., Prof. de Bet. à l'Inst. Forestier et à l'Univ. de St.

Petersburg. Bot., Mic.*
Bramson, K. L., Gymna-ial Prof., Ekaterinoslaw. Coleopt. (esp. Carabida, Calosoma, Carabus, Cychrus), Lepid., Hymenopt. Ex. and for sale.

Brandt, Dr. Alex., Kharkov. Zool., Comp. Anat.*

Branke, Dr. von, Prof. Silviculture, Inst. Agronomy and Silviculture, Norwaja Alexandria, Gouv. Lublin. Silviculture, Fungi. Bredichin, Dr. Theodor, Pulcowa Observ., St. Petersburg. Ast.

Büchner, Eugen, Conservator am Zool. Mus. der Kaiserlichen Acad. der Wissenschaften zu St. Petersburg. Mammals.*

Buczinski, Pet., Odessa. Emb., Vert. Bunge, Nicolaus, Prof. Technischen Chem. a. d. Univ., St. Vladimir, Kiew. Chem.*

Cera-ki, Prof. W., Moscow. Ast. Chmiclewsky, Vincent, Prof. Bot., Inst. Agronomy and Silviculture, Norwaja Alexandria, Gonv. Lublin. Bot., Fungi, Algæ, Desmids, Hort., Bot. of forest trees.

Cholodkovsky, Nicolas, Doct. en Zool., Prof. à l'Inst. forestier et à l'Acad. imp. de Méd., St. Petersburg. Zool., Morphol., Emb., Invert. Anat., Ent., Hemipt.*

Chroorostansky, C., Univ. St. Petersburg.

Chwolson, Orest, Prof. de Physique à l'Univ. et à l'Inst. Elect., St. Petersburg, W. O. 12 L No. 7, Qu. 3. Physics, Elect., Meteo.

Clausen, Alex., Goursouff, Crimée. Hort.
Czerniawski, Prof., Suchum Kalé, Caucasus. Arch., Zool.
Dogiel, Alex., Prof. der Ilistol. u. Emb. a. d. Kaiserl. Univ., Tomsk,
Siberia. Emb., Histol.*
Doktotichaev, Basile, Prof. de Min., à l'Univ. de St. Petersburg.
Doctoticky, Dr. Breeset, Histol. and Emb.

Dostoiciosky, Dr., Prosect. Histol. and Embryol., Med. Acad., St. Petersburg.

Dubiago, D., Kasan. Ast. Dziedzicki, Harry, M.D., N. 23 Chlodna Str., Warsaw, Poland. Dipt.,

Erschoff, Nicolas, Wassili Ostrw. 19, Line 12, St. Petersburg. Lepid.

C. Ex.*

Famintzin, André, Prof., Membre de l'Acad. d. Sc. de St. Petersburg, Wassili Ostroff, 8th Line, No. 17.*

Faussek, Victor, Privat-docent de Zool. à l'Univ. de St. Petersburg. Emb., Invert. Anat.*

Fischer de Waldheim, Dr. Alex., Prof. ord. à l'Univ., Conseiller d'Etat actuel, Varsovic, Jardin Botanique. Bot., Fungi.
Fortunatow, Dr. A. M., a. o. Prof. Anat., Univ., Kasan.
Ganin, Dr. M., Prof. Dir. Zool. Samlg., Warsaw. Spongilla.

Glasenapp, Maximilian, Prof. am Polytechnicum, Riga. Chemische Tech-

Golowine, E., Zool. Lab., Univ., St. Petersburg. Emb.
Goronowitch, N., pract. Arzt, Kaiserliche Naturforschende Gesellschaft

zu Moskau. Zoomorphologie.

Grabowski, Nicolaus, Władikawkas, Caucasus. Bot., Hort.

Grimm, Dr. Oscar von, St. Petersburg, Inspector der Fischereien Russlands, Redacteur der Russ. Fischerei Zeitung. Ichth., Biol.* Grinenko, Alexander, Untersuchungsrichter, Smolensk. Privat Stern-

warte. Astrophysik, Astrophotographie. C.*

Grosglik, S., Warsaw.

Herzenstein, Salomon, Conserv. Zoolog. Mus. Imperial Acad. Sci., St. Petersburg. Fishes, Arctic Marine Mollusca.*
Heyer, Bernhard, Riga, rue des Ecaries 22. Bot., Fungi, Org. Chem.,

Hinzenberg, Albert, Tiflis, Jardin Botan. Hort.
Hoyer, Dr. Henri, Prof. Histol., Emb., et Anat. Comp., à l'Univ. de Varsovie, 16 rue Longue, Varsovie. Emb.*
Inostranzew, Alexandre, Prof. de Géol. à l'Université de St. Petersburg. Ivanitzkij, Nicolas, Kadnikov, Wologda. Bot: Phen. and Crypt. Plants, Ethnog. C. Offers a small coll. of plants of No. Russia.

Ivanow, Alexis, Moscow. Strat. Geol.

Jashtchenko, Alexandre, Cur. Zool. Cabinet, Univ., St. Petersburg. Geog.

Dist., Orn.*
Jeremejev, Paul, Membre-correspond. de l'Acad. des Sciences de St. Pe-

tersburg, Ingénieur des mines, Prof. de géol. à l'Univ. de St. Petersburg.

Kapoustine, Th., Prof. Physics, Univ., Tomsk, Siberia.

Karpinsky, Alexandre, Membre de l'Acad. des Sciences, Ingénieur des Mines, Prof. de géol. à l'Institut des Mines, St. Petersburg.

Kastschenko, Nicolas, Prof. de Zool., Tomsk, Siberia. Emb., Mic., Gen. Zool., Ent., Orn., Ool., Ichth., Moll., Worms. C. Ex.*
 Kennel, Dr. J. v., Prof. d. Zool., Dorpat. Planaria, Peripatus, An-

nelids.

Kislakowski, Eugene, Univ., Min. Mus., Moscow. Min.

Kleiber, Dr. J., St. Petersburg. Ast.

Klinge, Johannes, Privat docent der Bot. and der Univ., Dir. Bot. Garten in Dorpat. Telmatol.

Klossovsky, Alexander, ordentlich Prof., Univ., Odessa. *Phys. Geog.** Knipowitsch, Nicolaus, Zootomical Lab., Univ., St. Petersburg. *Emb.*, Comp. Anat., Zool. Geog.*

Knüpffer, Paul, Dorpat. Acanthoceph.

Konanawitch, Prof. A., Obs., Odessa Ast.

Korshinsky, Dr. Sergius, First Bot, Bot. Gardens, Memb. Acad. of Sci., St. Petersburg. Phan. Plants., Geog. Dist. of Plants, Herbarium of Russian Plants. Flora of Russia Empire.*

Kowalevsky, Alex., Prof. Univ., St. Petersburg. Zool., Emb.

Kroustchoff, Dr. K. dc., Mus. Min. de l'Acad. Imp. des Sciences. St. Pe-

tersburg.
Krulikowsky, Leonid, Malmisch, Guv. Wiatka. Lepid., Orthopt., Herpetol., Mollusca rossica.*

 Kuczynski, Antoni, Physiol. Lab., Univ., Warsaw. Histol.*
 Kulagin, Nicolas, Privat-docent, Univ., Musée Zool., Moscow. Zool.,
 Gen. Biol., Geog. Dist., Morphol., Emb., Invert. Anat., Herpetol., Histol., Ent., Hymenopt., Worms. C. Ex. Kultschitzky, Dr. N. K., Prosector d. Histol. Univ., Charkow.

Kuphaldt, Georg, Dir. des Jardins publiques, Riga, Jardin Imperial. Bot : Phæn. Plants, Hort.

Kusnetzoff, Innocent, Great Prospect 8, Wasilii Ostroff, St. Petersburg. Gen. Biol., Geog. Dist., Ichth.*

Kusnezow, Nikolai, Conserv. Bot. Gart., St. Petersburg. Bot: Phan. Plants, Ferns, Veg. Palco., Geog. Dist. des Plantes.

Lahusen, Joseph, 1 rof. de Paléont. à l'Inst. des Mines, Ingén. des mines, St. Petersburg,

Lindemann, Dr. Edouard von, Dr. Med. et Botan. honor, Elizabethgrad,

Gour, Cherson. Phon. Bot. C. 26,000 specimens.

Lindemann, Eduard, Wissenschaftlicher Secretair der Sternwarte, Pulkowa, near St. Petersburg. Ast, especially Photometric. Loewenton, Joseph Wladimirowitsch, Kaiserlicher Garten zu Nikita,

Yalta (Krim.). Hort.

Lorinshoff, Freytag von, Neschin. Butterflies and Beetles of middle sec-

tion of Russia. C. Ex. Lwoff, B., Privat-docent d. Univ., u. Asst. Cab. Vergl. Anat., Moscow. Amphioxus.

Marinza, Dr. N., Assist. in Chem., Inst. of Agronomy and Silviculture, Norwaja Alexandria, Gouv. Lublin. Inorg. Chem., Meteo.

Mayzel, W., Warsaw. Vermes, Helix.
Medwiedeff, Jacques, Botanist, Tiflis, Caucase. Phan. Bot., Ferns,
Mosses, Oriental Numis. C. Ex.

Melnikoff, N., Prof. Zool., Kasan. Menschutkin, Nicolas, Prof. Chem., Kaiserliche Univ., St. Petersburg. Mestchersky, Prof., St. Petersburg. Ast.

Metz, Georg de, Univ., Odessa. Phys. Meyer, Dr. Eduard, Warsaw. Annelids. Mitrofanow, P. J., Moscow. Hamutozoa.

Monteverdé, Nicolas Augustin, Corpsforestier, St. Petersburg. Bot.

Mouschketow, Jean W., Ingén. des Mines, Prof. de géol. à l'Institut des Mines, st. Petersburg. Min., Lithol., Mic., Geog. Dist. C. Ex.* Musbaum, Dr. Joseph. rue Maryanska 10, Varsovic. Emb. Nicolsky, Alexandre, Univ., St. Petersburg. Geog. Dist., Vert. Niemann, Rudolf, Botanist u. Bot. Gardener, Bot. Garden, St. Petersburg. Phæn. Plants. Hort.*

Nikitin, Serge, Géol. en chef, Paléont., Comité Géol., St. Petersburg.

Invert. Palæo., Geol., Bibliog., Moll.

Nikolsky, Alechsander, Dr. Zool., Privat-docent, Assist. Zool. Mus., Univ., St. Petersburg. Vert. (Systematic).

Noleken, Baron, Gen. Major a. D., Pichtendahl. Brief address: Riga,

Thronfolger-Boulevard 6. Macro and Micro-Lepid. C. Ex.
Oettingen, Arthur von, Prof. Physics, Univ., Dorpat. Physics, Mus.
Acoustics, Elect., Photog., Meteo.

Ostroumoff, Alexis, Prof., Dr., Dir. de la Station Biol. Marine, Sebastopol, Crimea. Zool., Morphol., Emb., Anat., Ichthyol., Osteol., Ilistol., Crust., Worms, Moll., Radiates, Sponges, Protozoa. C. Ex.*

Owsjannikow, Ph. W., ord.-Prof. Univ , St. Petersburg. Histol., Emb., Vert.

Paschkewitsch, Wassilij, Yalta Jardin Imperial à Nikita, Crimea. Phæn. Plants, Gen. Biol., Hort., Pomol.*
Pavlow, Alexis, Prof. Geol. and Palæo., Geol., Mus., Univ., Moscow.

Invert. Pulæo., Geol.*

Pavlow, Dr. D., Prof. Chem., Inst. of Agronomy and Silviculture, Norwaja Alexandria, Gouv. Lublin. Inorg. Chem.

Pavlow, Mary, Cheremetienski pereonlok, House Cheremetief, Moscow.

Vert. Palæo.* Pedasehenko, Dimitry, Cur. Zool. Cabinet, Univ., St. Petersburg. Emb., Crustacea.*

Peremeschko, P., Kiew.

Pereyae Gwzewa, Dr. Sophie, Wassil Ostrow, Kadet. linie, 21, log. comte Suzor, St. Petersburg. Zool.

Petersen, Wilhelm, Conservator am Mus., Reval (Estlaud). Lepid. of the World. C. Ex.
Petruschewsky, T., Prof. Physics, Univ., St. Petersburg.
Pohrt, Nicolai, Ingénieur, Chemiker, Versuchsstation am Polytechnikum,

zu Riga. Chem.

Polejacff, Nicolaus, Dr. Zool., Privat-docent, Univ., St. Petersburg. Emb., Comp. Anat., Spongia.
Rauber, A., Prof Anat., Dorpat. Vert. Anat., Emb.

Regel, Robert, Jardin Botan. Impériale (Conserv. de l'herbier), St. Petersburg. Bot., Hort.*
Reinhard, W., Prof. Univ., Charkow. Emb., Comp. Anat.
Renz, F., Pulcowa. Ast.
Repiachoff, Wassilij, Doceut du Zool., Odcssa. Bryozoa, Turbell., Vert.

Emb.Retowski, Olto, Theodosia, Krim. C. Natural Curios from Krim, Moll.,

espec. Land Shells of the whole world. Ex. Rostowzew, Dr., Prof. Physics, Inst. of Agronomy and Silviculture, Nor-

waja Alexandria, Gouv. Lublin. Meteo.

Rybakow, Gregor, Preobrashenskaja Uliza, 5, St. Petersburg. Coleopt.* Rywosch, David, Dr. Med., et Cand. Zool., Regitza. Zool., Gen. Biol. Salinsky, W., Dir. Zool. Mus., Odessa. Emb., Bryozoa, Ganoids, Moll. Schalfeew, Pierre, Conservator Zoolog. Mus., Imperial Acad. Sci., St.

Petersburg. Invert. (Insects).
Schewyrew, Ivan. Pinst. Forest, St. Petersburg. Ent.*
Schimkewitsch, Dr. Wladimir M., Prof. Zool. Univ., St. Petersburg.
Anat., Emb., Arachida, Ast., Balanogl., Copp., Pyenog.*
Schirowski, Wladimir, Univ., Geol. Mus., Moscow. Strat. Geol., Invert.

Pulæo.

Schmidt, Alex., Prof., Univ., Dorpat, Livonia. Physiol., Gen. Biol.* Schmidt, Christian, Chemiker, Versuchsstation am Polytechnikum zu Riga.

Schmidt, Frédérie, Membre de l'Acad. des Sciences de St. Petersburg. Schnabl, Johannn, M.D., N. 59 Krakauer Vorstadt, Warsaw, Poland. Dipt., Brachycera.*

Schroeder, Dr. Theo lor v., 33 Italjanskaja, St. Petersburg. Gynacol.

Schulgin, M. A., Odessa. Reptiles.
Schwedoff, Dr. Theodor, Prof. Univ., Odessa. Phys.*
Scrobischewsky, Wladislaw, Jakowljewitsch, Garteninspector, Kaiserlicher Garten zu Nikita, Yalta (Krim). Syst. Bot.

Shdanow, A., Prof. Ast., Univ., St. Petersburg.

Sintenis, F., Staatsrath, Dorpat. Lepid., Coleopt, Dipt. C.*

Smirnow, Sergey M., Assist. Botan. Mus., Univ., Kazan. Bot., Hort., Gen. Piol., G. og. Dist.

Ssilantjew, Anatol, Forst-Inst., St. Petersburg. Forst-Zool., Forst-Ent., Curinide.*

Stchirovsky, Wladimir, Univ., Geol. Mus., Moscow. Invert. Palaco., Strat. Geol.*

Stelling, Edward, Dir. des Magnetisch-Meteorologischen Observatoriums in Irkutsk.

Strelzoff, Dr., Docent für Embryol., Charkow.

Struve, Dr. Hermann, Pulcowa. Ast. Tammann, Gustave, Prof. Dr. de la Chem., Dorpat, rue de Poucher, 5. Chem., Physics.*

Tarnani, Iwan, Zool. Lab., Univ., St. Petersburg. Zool., Ichthyol., Arach.

Taroschewsky, Dr., Assist. in Zool., Univ., Charkow. Ent.

Teholovsky, Constantin, Prof. du Gymnase, Mohilew. Bot: Phæn.
Plants, Ferns. C. Ex. Desires Orchids, Palms, Ferns, and seeds of forest plants of medicinal value. Teploukhoff, Théodor, lijinskoe by Perm. Phæn. Bot., Salices, Orn., Forest Ent., Arch.

Terjuchin, Nicolas, Ville Podolsk, Moscow, Memb. Imp. Assoc. Acclimatizing of Animals and Plants in Russia. C. Ex. seeds, bulbs, etc.

Thoma, Richard, M D., Prof. Pathol. Anat. and Gen. Pathol., Marienhofsche Str. 14, Dorpat.

Thome, Joh., Fredriksstad. Orn.

Thoms, Prof. Dr. George, Riga. Agric. Chem., Physiol. Chem.* Tikhomirov, Prof. A. A., Moscow. Emb., Hydr., Insects, Vert.*

Tschernyschev, Thédoce, Ingénieur des Mines, St. Petersburg.
Tschernyschev, Thédoce, Ingénieur des Mines, St. Petersburg.
Tschisch, Dr. W. von. Univ., Dorpat. Psychol.
Ungern-Sternberg, Baron, Tiflis, Caucasus. Geol.
Urbanowicz, T., Wursaw. Emb., Cyclops, Copepoda.
Ussow, Dr. M., St. Petersburg. Emb., Invert., Cephalopods.
Vernadsky, Władimir, Prof. of Min., Univ., Moscow. Min., Crystall., Libd. Ext. Lithol. Ex.*

Wagner, Julius, Zootomical Lab., Univ., St. Petersburg. Emb., Comp. Anat.

Wagner, Nic. P. Prof., Dir. Zool. Cabinet, Univ., St. Petersburg. Vert. Zool.

Wagner, Woldemar, Prof au Licée de S. A. J. le Grand Duc Héritier, Moscow, Musée Polytéchnique. Zool., Gen. Biol., Geog. Dist., Morphol., Arach. C. Ex. Wahrlich, Woldemar, Dr. Phil. Nat., Inst. Botan. de l'Acad. deMédecine

Militaire, à St. Petersburg. Bot., Mycol.*
Wasiliew, Dr. E., Prof. Zool., Inst. of Agronomy and Silviculture, Norwaja Alexandria, Gour, Lublin. Emb.

Werminski, F., Varsovie, Lab. Bot. de l'Univ. Bot. Wierzejski, Dr. Anton O., Krakau. Sponges, Devel. Insects.

- Wild, Dr. Heinrich, Wirkl. Staatstrath, Mitglied der Acad. der Wissenschaften, und Dir. des physikal Central-Observatoriums, St. Petersburg. Physics. especially Meteo. and Terrestrial Magnetism. Winkler, Constantin, Imp. Bot. Garden, St. Petersburg.*
- Winogradsky, Sergius, Dr., Botan., Inst. de Médecine experimentale, St.
- Woronin, Dr. M., St. Petersburg, Wasilia Ostroff, 9 Linie, Haus 2, Wohnung: 12.
- Wotchall, E., Moscow, Lab. Bot. de l'Univ. Physiol. des Plants. Zebrikow, Wladimir, Geol. Mus., Univ., Moscow.

SERVIA.

Bierbach, O., Garten Inspector, Royal Bot. Garden, Belgrad. Ferns Dendrology, Hort. C.*

SPAIN.

- Adan de Yarza y Torre, Ramon, Ingeniero de Minas, Lequeitio. Litologia, Micrografica.
- Almera, Jaime, Presbitero, Canonigo, Catedrático de Géol., en el Semi-
- nario conciliar, calle de Sagristans, 1, 3°, Barcelona *
 Arcimis, Augusto. Dir. del Inst. Central Meteo., Monte Esquinza, 7, 3°, Madrid. Meteo.

- Balmaseda, Conde de, Lista 6, Madrid. Geol.
 Bofill, Arturo, Cortes, 297 y 299, 2°, Barcelona. Con., Fossils of the Miocene and Piocene. C. Ex.*
 Caballero, Dr. Ernesto, Prof. Phys., Pontevedra. Diatoms, Mic., Photog.*
- Cajal, Prof. S. Ramon v, Prof. d'Histol. à la Fac. Med., Barcelona.
- Calderon y Arana, Salvador, Doctor en Ciencias, Catedrático de Historia natural de la Facultad de Ciencias, de la Univ., Sevilla. Min., Petrog.
- Capdebon Singala, José, Harina 28, Palma, Majorca (Balearic Isles).
- Fauna Balearic. Chia, Manuel de, Médico-Cirujano, Licenciado en Ciencias, Calle de la

- Diputación, 426, 1º, Barcelona. Malacol., Prehist.
 Comerma, Andrès A., Ingeniero de la Armada, Ferrol.
 Cortázar, Daniel de, F. R. Acad. Sci., M. E., Vclazquez 32, Madrid.
 Geol., Min., Ast., Philol.
 De Mazarredo, Carlos, Ingeniero de Montes, Claudio Coello, 22, pral.,
- Madrid. Arach., Myriopoda. C.
- Dosset, José Antonio, Dr. en Pharmacie, Zaragoza. Diatoms, Photomicrography.
- Egozeue y Cia, Justo, Glorieta de Bilbao, 3, Madrid. Geol.
- Escalante, José, Doctor en Ciencias y Catedrático de Historia Natural en
- cl Instituto de Santander, Mendez-Numez, 7.
 Fernandez de Castro, Manuel, Pres. de la Comision del Mapa Geol.,
 Jorge-Juan, 23. 1º, Madrid. Palæo., Geol. C. Ex.*
 Fungairino, Eduardo, Orellana, 5, 3º, Madrid. Diatoms.
- Gomez Carrasco, Enrique, Postigo de San Martin, 9, 2º, Madrin. Ent.
- general.
- Gonzalo y Farin, Joaquin, Recoletos 4, Madrid. Geol.

Iñarra y Echeverria, Fermin, Catedrático Supernumerario, por oposicion, de Ciencias físico-quimicas y naturales en el Instituto del Cardenal Cisneros, C. Gravina, 14, 2°, Madrid.

Linares, Prof. Augusto G. de, Santander. Cetacea.
Lopez Cepero, Adolfo, Chielana (Cádiz). Ent., Coleopteros de Europa.
Mallada, Lucas, Velasquez 37, Madrid. Palæo.
Medina y Ramos, Dr. Manuel, Luzara 2, Sevilla. Gen. Ent., Hymenopt. Mena, Rafael, Instituto Malaga. Orn., Ool. Merino, Prof. M., Obs., Madrid. Ast.

Monjo y Monjo, Pedro, Con. del Museo municipal, Mahon (Menorca). Con.

Moragues, Dr. Fernando, Pbro., Calle de General Barcelo, S. Palma de Mallorea (Baleares). Cambia los insectos siguientes: Hymenopt., Dipt., Coleopt., Hemipt., Orthopt., Neuropt., y (Conchas) Mollusks de Mallorca, contra Moluscos de Europa y Exóticos principalmente terrestres.

Müller, Friedrich D., Pasco de San Juan, 165, Barcelona. Coleopt., Moll.

C. Ex. Olavarria, Marcial, Huertas 82, Madrid. Min.

Orueta, Domingo de, Ingenieur de Mines, Gijon. Infusoria, Photomicography.*

Palacios, Pedro, Isabel la Catolica, 25, Madrid. Geol.

Pantel, José, S. J., Monasterio de Uclés, Tarancon (Cuenca). Ortópteros.*

Puig, Gabriel, Pavia 2, Madrid. Geol.

Quiroga y Rodriguez, Francisco, Doctor en Ciencias y en Farmacia, Catedrático por oposicion de Cristalografia en el Musco de Ciencias naturales, calle de Orellana, 10, 3°, Madrid. Min., Geol., Crystal.*

Real Academia de Ciencias y Artes, Rambla de Estudios, 9, Barcelona.*
Reyes y Prosper, Eduardo, Dr. en Ciencias Naturales, San Bernardo 56,
2º, derecha, Madrid. Anatomia Comparada, Microg., Cristal., Dibujo cientifico.

Ribera Emilio, Doctor en Ciencias naturales, Catedrático de Historia naturel en el Instituto y autor de varios obras para la ensenanza en Espana v America. Plaza de la Aduana, Valencia.

Rodriguez, Ant. Suarez., care of C. Bailly-Baillière, Madrid. Trichina in Spain.

Rodriguez y Femenías, Juan J., C. de la Libertad, 46, Mahon (Menorca). Algæ.*

Ruiz, Casaviella, Juan, Licenciado en Farmacia, Caparroso (Navarra). Botanica espec. plantas Navarras, Tax., Orn.

Sanchez, Ratael, Génova 17, Madrid. Geol.
Seoane, Ylmo. Sr. Dr. Victor Lopez, Avocat, De l'Acad. des Sciences,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Agric., Coruña. Bot.,
Chef Sup. de l'Admin. Comm. Royal pour l'Admin. Comm. Royal Diatoms, Vert. Palao., Mic, Photog., Ent., Moll., Zoul. C.

Société, Espagnole de Hist. Nat., Ignacio Bolivar, Secretaire, rue Moreto

7, Madrid.

Tremols y Bórrell, Federico, Catedrático de Química inorganica aplicada de la Facultad de Farmacia en la Univ., Calle de la Princesa 1-2, Barcelona. Bot.

Truan, Alfred, Gijon, Dir. des Verreries de Gijon. Diatoms, Photomicography.

Vergara, Mariano, Avocat, ex-Deputé, ex-Prefect, ex-Prof., Univ., Membre des Academies, de l'Ilistoire, des Beaux-Arts et de Jurisprudence, Madrid, Plaza de Santa Barbara. Gen. Sci., Agric. Bibliog. Desires corresp. with Amer. agriculturists and horticulturists.*

SWEDEN.

Abenius, Dr. P. W., Fellow R. University, Upsala. Chem. Adlerz, Dr. Ernst, Lecturer, Public College, Orebro. Phan. Plants, Bryol. C.

Adlerz, Dr. Gottfrid, Lecturer Publ. Coll., Sundsvall. Entom., Anat. C. Agardh, Dr. J. G., late Professor R. University, Lund. Algol. C. Ahlberg, C. A., Asst. R. Pharmaccut. Inst., Stockholm. Pharm. Chem. Ahlfoegren, Dr. Fredr., Asst. Botan. Dept. State Museum Nat. Hist., R.

Acad. Sci., Stockholm. Bot.
Ahlner, K., Ph D., Lehrer, Wexiö. Algology.*
Ahlstrand, J. A., late Librarian R. Acad. Sci., Stockholm. Nat. Hist. Bibliogr.

Alén, J. E., Ph.D., Göteborg. Chem.*

Almen, Prof. Dr. August, Dir. General R. Medical Board, Stockholm.

 $Physiol.\ Chem.$

Almquist, Ernst, Prof. der Hygiene, Stockholm. Lichens, Bacteriol.* Almqvist, P. W., Prof. R. Techn. High School, Stockholm. Hydrogr. Almqvist, Dr. Sigfrid, Rector Publ. Coll. "Högre Realläroverket," Stockholm. Bot. esp. Lichens. C.

Almström, R., Manager Rörstrand's Porcelain Manufact. near Stockholm.

Ceramics.

Alrutz, A. O., Chief Engin. Water-Supply, Stockholm. Hydr.
Andersson, Dr. C. A., Physician, Trollhattan. Bot. C.
Andersson, Gunnar, Ph. D., Assist. Acad. Sci., Stockholm. Bot., Palxophyt., Peat-Mosses.*

Andersson, Dr. Fredr. Lecturer Publ. Coll., Halmstad. Math., Phys. Andersson, Gabriel, B.A., Preparator Zool. Mus. R. Univ. Upsala. Zool. Andersson, J. Gunnar, Geol. Inst. R. Univ., Upsala. Palæont. C.

Andrée, C. A., Chief Engin. R. Patent Office, Stockholm. Phys. Angström, Dr. Knut, Laborator des Phys. Instituts der K. Univ., Upsala.

Phys.*

Antropologi och Geografi, Svenska Sällskapet for (Swedish Anthropolog. and Geograph. Society), Stockholm-founded in 1873-Pres., Dr. O. Montelins, Secr., Dr. E. W. Dahlgren.

Appelberg, O., Énginéer, Upsala. Hydrogr. Areschong, Dr. F. W. C., Prof. R. Univ., Lund. Anat., Physiol. Plants, Rubus. C.

Arnell, Dr. H. W., Lecturer Publ. College, Jönköping. Bryol. C. Arnell, Dr. Knut. Gefle. Pract. Chem.
Arrhenius, Svante A., Ph.D., Teacher of Physics, Hogskola (Univ.) Stockholm.*

Ask, Dr. C. J., Prof. R. Univ., Lund. Surgery.
Atterberg, Dr. Alb., Dir. Chem. Station and Seed-controlling Office, Kalmar. Chem.

Aulin, Dr. Fredr., Teacher Publ. Coll. "Södermalm's," Stockholm. Bot.

Aurivillius, Carl W. S., Ph.D., Docent a. d. Univ., Upsala. Crustacea.* Aurivillius, Prof. Dr. Christopher, Dir. Entom. Dept. State Mus. Nat. Hist. R. Acad. Sci., Stockholm. Ent.

Bäckström. Helge, Ph.D., Docent, Univ., Kungsgatan 30, Stockholm.

Lithol., Min., Geol.*

Baer, C. T E, Chief Forester, Alvastra (Prov. Ostergötland). Forestry. Behm, J. E. Florentin, Surveyor, Ostersund. Bot., Ent., Eth. C. Benckert, H. T., Alderman Town House Court, Stockholm. Bot. Bendixon, J., Docent, Univ., Stockholm. Math.

Bendixon, Dr. T. O., Fellow High School, Stockholm. Math.

Bendz, Dr. Hans, Assoc. Prof. R. Univ., Lund. Pathol. Ana'. Bendz, Olof Pehrsson, Teacher R. High School Agricult., Alnarp, Akarp

(Prov. Skane). Veter.

Bengtsson, P. A., Rector Techn. School, Borås. Mech. Techn. Bengtsson, Simon, B.A. Asst Zool. Mus R. Univ., Lund. Ent.

Berg, Fritz, Dir. Scanian Cement Co., Malmö. Cement Berg, Dr. John, Prof. R. Carol. Med. Surg. Inst., Stockholm. Surg.

Berg, B. A., Leeturer Techn. School, Stockholm. Math. Bergendal, Dr. David, Fellow R. Univ. Lund. Zool.

Berger, Dr. Alex. Fredr., Fellow R. Univ. Upsala. Math. Berggren, Johan, B.A. Teacher Publ. Coll. "Nya Elementarskolan,"

Stockholm. Math., Bot. C.

Berggren, Dr. Sven, Assoc. Prof. R. Univ. Lund. Bot. esp. Bryol. Bergin, P. G., Teacher Publ. Coll., Venersborg. Bot. C. Bergman, Dr. Gustaf, Fellow R. Univ., Upsala. Hygiene. Bergstrand, Prof. Dr. C. E., Djursholm, near Stockholm. Agric. Chem., Seed-contr., Agron.
Bergstrand, Dr. J. O, Dir. Chem. Station and Seed-controlling Office,

Westeras. Agric. (hem.

Berlin, Dr. J. August, Chief Provincial Physician, Stockholm. Hygiene, Arct. Phan. Plants. C.

Berlin, Dr. Mac, Lecturer Publ. Coll., Yönköping. Math.

Billmansson, Dr. S. R., Rector Publ. Coll , Nora. Bot., Meteor.

Biologiska Föreningen (Biological Society), Stockholm. Secr. Dr. W. Leche.

Bjerknes, Vilhelm, Univ.. Stockholm. Physics, Elect.*
Bjerknes, Dr. W. F. K., Teacher High School, Stockholm. Mech.
Björkén, Dr. John, Assoc. Prof. R. Univ. Upsala. Ophthalmol.
Björling, Dr. Carl F. E., Prof R. Univ., Lund. Math., Bryol. C.
Björn, Axel, Dir. R. Gardens, Ulriksdal, near Stockholm. Hort.
Bladin, Dr. J. A., Fellow R. Univ., Upsala. Chem.
Bliv, Dr. Magnus. Prof. R. Univ., Lund. Physiol.
Bladent State Geologist Geol. Sunyar Sweden Steel

Blomberg, Dr. Albert, State Geologist, Geol. Survey Sweden, Stockholm.

Blomberg, Olof Gotthard, Pastor, Ekensholm. Lichens. C. Ex.* Blomstrand, Dr. & hristian Willi, Prof. R. Univ., Lund. Chem. Blüm, A., Dir. Seed-controlling Office, Linköping. Bot.

Bohlin, Dr. Karl, Asst. R. Astronom. Observ., Stockholm. Astr. Borg, Hjalmar, Fil. Kandidat, Zool. Inst., Upsala. Zool., Ent., Neuropt.

C. Ex.*

Borge, O. Fr., Dr., Upsala. Bot: Algæ.* Borgström, Ernst, B.A., Asst. Zoot. Labor. R. Univ., Upsala. Comp. Anat., Helminth.

Borgström, Dr. Sven, late Commissioner of Land Revenue, Stockholm. Bot. C.

Botaniska Föreningen (Botanist's Association), Lund. Pres., Dr. S. Berggren. Secr. H. Simmons.

Botaniska Sällskapet (Botanical Society), Stockholm. Pres. Dr. V. B. Wittrock, Secr. (pro. temp.) Dr. F. Ahltvegren.

Bothen, C. O., Commercial Clerk, Gothenburg. Ornith.

Bowallins, Pr. Carl E. A., Fellow R. Univ., Upsala. Crust., Ethnol. Broden, Dr. Forsten, Fellow R. Univ. Lund. Math.

Broman, J. F., Dir. Seed-controlling Office, Ope, Brunflo Prov. (Jemt-

land). Agron.

Brown, Th., Telegraph-Official, Dir. Scand. Section Botan., Ex. Assoc.

"Linnæa," Gothenburg. C.

"Linnæa," Gothenburg. Arch.

Bruzelius, Dr. N. G., late Rector Publ. Coll. Ystad, pres. residence Lund. Arch., Eth. C.

Bruzelins, Dr. R. M., Prof. R. Carol. Mcd. Surg. Inst., Stockholm. Med. Bååth, Dr. A. U , Fellow High School, Gothenburg. Ethnol. Bäcklin, Dr. Gottfrid, Lecturer Math., Phys. Publ. Coll., Upsala.

Bäcklund, Dr. Alb. Vict., Assoc. Prof. Mech. R. Univ. Lund. Math., Petrogr., Min.

Bäckström, Dr. Helge, Fellow High School, Stockholm. Carleson, J. A., State Mining Engin., Luleå. *Mining*.

Carlgren, Dr. O., Asst. Invert. Dept. State Mus. Nat. Hist., R. Acad. Sci., Stockholm. Actinia.

Carlsson, A. F., Clerk Scanian Cement Co., Lomma, near Malmö. Phytopal. Carlsson, Miss Albertina, Teacher ("Elementarläroverket för flickor å

Söder"), Stockholm. Zoot. Carlsson, Dr. C. Ph., State Inspector of Mines, Falun. Min.

Carlsson, Dr. G. A., Teacher Publ. Coll. "Ostermalm's," Stockholm. Geol.

Cassel, Dr. Gustav, l'Univ., Stockholm. Math.*

Cederblom, J. E., Prof. R. Techn. High School, Stockholm. Mech. Techn.

Cederström, Dr. A., Baron, High School, Stockholm. Geol.

Charlier, Dr. C. W. L., Observ. Astron. Observ. R. Univ., Upsala. Astr.

Christensen, R., Gardener R. Univ. Lund. Hort.
Clason, Dr. Edv. C. H., Prof. R. Univ. Upsala. Anat.
Cleve, Dr. P. T., Prof. Chem. R. Univ. Upsala. Anat.
Cleve, Dr. P. T., Prof. Chem. R. Univ. Upsala. Chem., Diatoms. C. Ex.
Cnattingius, A. T., Forester, Marma Prov. (Uppland). Forestry.
Collin, Dr. C. R., Lect. Math. Publ. Coll. Umeå.

Collinder, Erik, B.A., Teacher Publ. Coll., Sundsvall. Bot., esp., Bryol. Crælius, P. A., Mining Engin., Engelsberg (prov. Vestmanland). Diamond

drill exam. of ore deposits. Cronander, Dr. A. W., Lect. Techn. School, Norrköping. Agric. Chem. Cronquist, Prof. A. W., Chem. R. Navy, Stockholm. Explosives, Peat,

Cronvall, Axel Jul. A., Ph.D., Semin. Lehrer, Linköping. *Meteor.** Curman, Prof. Dr. C., Fellow R. Carol. Med. Surg. Inst., Stockholm. Balneolo.

Curman, N., Chief Engineer R. Board Telegraphs, Stockholm. Electr. Dahlander, Dr. G. R., Prof. R. Techn. High School, Stockholm. Phy Dahlgren, Dr. E. W., Librarian R. Acad. Sci., Stockholm. Nat. Hist. Bibliog.

Dahlstedt, II., Asst. Botan. Dept. State Mus. Nat. Hist., R. Acad. Sci.. Stockholm. Hierac.

Danielsson, C. F., State Mining Engin., Kopparberg (Prov. Vestmanland). *Mining*. de Brun, Dr. Frans, Skärgårdsgatan 2, Stockholm. *Math*.

de Geer, Gerard, Ph. Dr., State Geologist, Geolog. Bryan, Stockholm. Glac. Geol.*

de Laval, Dr. Gustaf, Engineer, Mech. Inventor, Stockholm.
Delin, Dr. Carl, Fellow R. Univ. Lund. Math.
Dellwik, C. A., Dir. Assoc. Iron Masters, Stockholm. Metallurgy.
Dillner, Dr. Göran, Prof. Math. R. Univ. Upsala. Math.
Djurklon, Dr. N. G., Baron, Orebro. Ethnogr.
Dufva, E. A., State Inspector of Mines, Stockholm. Mining.
Dunér, Dr. Nils, Prof. R. Univ. Upsala, Dir. Astron. Observ. Astr.
Duców, Dr. K. E. Lort, Publ. Coll. Kalvar. Red. exc. Sphanageog.

Dusén, Dr. K. F., Lect. Publ. Coll., Kalmar. Bot. esp. Sphagnacew. C. Ex. Scand. Sphagn. for others.

Dusen, P., Engineer, Motala. Bot., Geol.

Edgren, Dr. J. G., Assoc. Prof. R. Carol. Med. Surg. Inst., Stockholm. Med.

Edholm, Dr. E. M., Chief Army Surgeon, Stockholm. Mil. Hyg.

Eggertz, Dr. C. G., Asst. Chem. Dept. Experiment Grounds R. Acad.

Agric., Albano, near Stockholm. Agric. Chem. Eggertz, Dr. Carl M. U., Leet. Publ. Coll., Karlskrona. Ent. C.

Eichstädt, Dr. F., Teacher Chalmer's Techn. Inst., Gothenburg. Petrog. Ekbohrn, Ossian, Custom-house Officer, Sandhamn (Prov. Stockholm).

Ornith. C.
Ekbom, Alfred, Börjegatan 3, Upsala. Org. Chem.
Ekholm, Dr. N., R. Metcor. Inst., Stockholm. Meteor.
Ekehorn, Dr. J. G., Fellow R. Univ., Upsala. Surg.

Eklund, J. E., Dir. School of Mines, Falun.

Ekman, G., Engineer, Gothenburg. Hydrogr. Ekman, T. Thorsten, Fil Kand, O. Agalan 41, Upsala. Zool., Worms.* Ekstrand, Dr. C. R., Leet. Chalmer's Techn. Inst., Gothenburg. Mech. Ekstrand, Dr. A. G., Engin. R. Brandy Control Office, Stockholm. Org.

and Techn. Chem.

Elander, F., B.A., Asst. Chem. Labor. R. Univ., Lund. Chem.

Elistrand, Dr. Mårten, Upsala. *Hierac.*, Salic. C. Elgenstierna, C. J. R., Postmuster, Nora. *Bot.* C. Elowson, Dr. Gullbrand, Leet. Math., Phys., Karlstad.

Enander, S. Johan, Pfarrer, Lillherrdal (Herjedalen). Eot: Phan. and Crypt. Plants, Ferns, Mosses, Lichens. C. Ex.*

Enell, H. G. O., Apothecary, Karlbergsvägen 10, Stockholm. Pharm. Chem.

Eneström, G., Asst. R. Library, Stockholm. Math., Bibliogn.

Engström, Dr. Arvid, Teacher Publ. Coll., Kalmar. Bot. C. Engström, Dr. Folke Aug., Observ. Astron, Obs. R. Univ., Lund. Astr. Engström, Dr. Nils, Teacher R. High School Agricult., Alnarp, Akarp (Prov. Skåne). Agr. Chem.

Entomologiska Föreningen (Entomologists' Association), Stockholm. Pres. Dr. O. T. Sandahl, Secr. Dr. Chr. Aurivillius.

Erdmann, Edvard, State Geol, Geol. Surv. of Sweden, Stockholm. Geol.,

Coal Mines and Quaternary deposits.* Ericson, Isaac B., Mölndal. Coleopt. C. Swedish Beetles. Ex.* Ericson, T. B., Foreman Manufact. Mölndal, near Gothenburg. Coleopt.

Ericsson, Carl J. A., Lect. R. Veter. Inst., Stockholm. Anat.

Ericsson, Dr. Gust., Fellow R. Univ., Upsala. Astron.

Ericsson, Tore, Acad. of Fine Arts, Bellmamsgatan 12, Stockholm. Photog.

Erikson, Dr. Johan, Botan. Inst. R. Univ. Lund. Anat. Plants.

Eriksson, Prof. Jacob, Ph.D., Dir. Agric. Bot. Stat., Albano, near Stockholm. Editor of "Fung. paras. scand. exsice." and of "Collectio cerealis." Bot., Physiol., Fungi, Corn varieties. Ex.*

Essén, A. W., Dir. Seed-controlling Office, Borås. Bot. C. Estelle, Axel, Engin., Brunkebergstorg 14, Stockholm. Pract. Electr. Eurenius, Dr. A. G. J., Lect. Math., Phys. Techn. School, Norrköping. Eurenius, Dr. M. C. J., late Lect., Dir. Zool. Mus., Malmö. Zool., Arch. C. Ex.

Fahlcrantz, A. E., Mining Engin., Norberg (Prov. Vestmanland).

Falnehjelm, Otto, Engin., Stockholm. Incand. Illum., Cement. Falk, Dr. A. W., Meteorol. Inst. R. Univ. Upsula. Meteor.

Falk, Dr. Maths., Prof. Math. R. Univ. Upsala. Math. Farmaceutiska Föreningen (Pharmaceutical Society), Wallingatan 20, Stockholm. Pres. H. G. O. Enell, Secr. F. A. E. Waller.

Feilitzen, C. H. J. von, Dir. Chem. Station and Fen. Culture Association, Jönköping.

Fernqvist, E. B., Rect. Techn. School, Orebro. Chem. Techn.

Fineman. Dr. C. Gottfrid, Fellow R. Univ., Upsala, Teacher R. Naval School, Stockholm. Meteor.

Flink, Gust., Teacher. Min, Crist., Dealer in Scandinavian Min., Karlbergsvägen 12, 3tr.. Stockholm.* Floderus, Björn. Cand. Med., Asst. R. Univ., Upsala. Surg., Salic. C.

Floderus, Manfred M., Ph.D., Rektor, Upsala. Bat. C. Exchanges Scandinavian Salices.*

Fock, Baron A. H. E., late Prof. R. Techn. High School, Stockholm.

Fogelmarck, Dr. Fr. Emil, Prof. Math. R. Teehn. High School, Stockholm. Math. Forsberg, G. E., Asst. Chem. Labor., High School, Stockholm. Analyt.

Chem.

Forsberg, Svante, Asst. R. High School Agric., Alnarp, Akarp (Prov.

Skåne). Agron.
Forsling, Dr. Sven, Chem. Inst., Upsala. Phys. Chem.
Forssell, Abraham, Teacher R. High School Forestry, Stockholm. Agron. Forssell, Gideon, B.A., Teacher, High School, Stockholm. Org. Chem. Forssell, Dr. Hans, Pres. R. Land-revenue Dept., Stockholm. Bot. C. Forssell, Dr. K. B. J., Karlstad. Lichens. Ex. C. Lichens of Sweden

and Norway for those of other countries.*

Fredholm, Dr. K. A., Rect. Publ. Coll., Luleå. Geol.

Fredriksson, Theodor, Fil. Kand., Upsala. Bot: Algæ, Desmids. C. Ex.*

Fries, Dr. Robert, Physician, Gethenburg. Mycol.

Fries, Prof. Dr. Thore, Dir. Bot Garden and Mus. R. Univ., Upsala.

Arct. Phan, Crypt. Plants. C. Ex. Friesen, Dr. Otto von, Teacher Publ. Coll. "Nya Elementarskolan,"

Stockholm. Bot. C. Friesen, Dr. Sixten von, Leet. Math , Phys. Publ. Coll. "Högre Realläroverket," Stockholm.

Fröman, G. A., Upsala. Bot. C. Ex. Cyperacee.* Fürst, Carl M., M.D., Prof. Anat. and Histol., Lund.*

Fysiografisk · Sällskapet, Kongl. (R. Physiograph. Society) Lund-founded in 1773—Pres. Dr. N. Olsson-Gadde, Secr. Dr. Axel Möller.

Fysiska Sällskapet (Physicists' Association), Up-ala. Pres. Dr. K Angström, Seer. Dr. K. L. Hag-tröm.

Gadde, Dr. F. Ohlsson-, Teacher Publ. Coll., Lund. Malacol. Gadde, Prof. Dr. Nils Olsson, Dir. School for Midwives, Lund. Nat. Hist. Med.
Gagner, W., Major R. Board Road and Water-Works, Halmstad.

Hydrog.

Cellerstellt, G., Gool. Survey of Sweden, Stockholm. Glac. Geol

Geologiska Föreningen (Geologists' Assoc.), Stockholm, founded in 1871. Pres., G. Nordenström, Secr., Dr E. Svedmark. Goës, Dr. Axel, Provincial Physician, Kisa (Prov. Ostergötland).

Biol., Rhizopoda, Hygirne.

Goldkuhl, Dr. A. E., Chief Prov. Physician, Vexiö. Hugiene.

Granqvist, Dr. G., Asst. Phys. Inst. R. Univ., Lund. Phys. Grevillius, Dr. A. Y., High School, Stockholm. Bot.

Grill, C., Lieutenant, Drottninggatan 2, Stockholm. Ent. C. Groth, E. F., Chief Forester, Ostersund. Forestry. Grönberg, C., Asst. High School, Stockholm. Zool.

Gullander, Per, Teacher Chalmer's Techn. Inst., Gothenburg. Mech. Gullstrand, Dr. Allvar, Fellow R. Carol. Med. Surg. Inst., Stockholm. Physiol., Ophthalm Gumælius, Otto, Mining Engin., Rocklunda, Valla (Prov. Söderman-

land). Mining, Gluc, Geol.

Gyldén, Prof. Dr. Hugo, Astronomer R. Acad. Sc., Dir. Astron. Observ., Stockholm. Astr. Gyllencreutz, Dr. Richard, Provincial Physician, Tjellmo (Prov. Öster-

Gynencreutz, Dr. Richard, Provincial Physician, Tjellmo (Prov. Ostergötland). Bot. C.

Gyllenskiöld, Dr. C. Carlheim-, R. Observatory, Stockholm. Phys., Magnet., Meteor.

Göthe, C. G., Chief Forester, Vexiö. Forestry.

Hafström, O. Hj., Court-clerk, Stockholm. Bot. C.

Hagström, K. E., Asst. R. High School Agric., Alnarp, Åkarp (Prov. Skäne). Forestry.

Hagström, K. L., Ph.D., Docent, Univ. of Upsala. Physics, Elect., Meteo.*

Meteo.*

Hahr, A. W. T., Chief Forester, Westeräs. Forestry.

Haij, Dr. Julius, Lect. Publ. Coll., Vexiö.

Hallenberg, G. F., B.A., Teacher Publ. Coll., Visby. Agric. Chem. Hallgren, L. J., Forester, Rånnum (Prov. Vestergötland). Forestry.

Hemberg, Axel, B.A., High School, Stockholm. Min., Cryst. Hamberg, Dr. Hugo Em., Asst. R. Meteor. Inst., Stockholm. Met. Hamberg, Dr. N. P., late R. Forensic Chemist, Stockholm. Chem., Pharm. Hammar, Dr. J. A. H., Fellow R. Univ., Upsala. Histol. Hammarskijold, Dr. C. G., Member Supreme Court Justice, Stockholm.

Bot. C.

Hammarsten, Dr. Olof., Prof. R. Univ., Upsala. Physiol. Chem.

Hansson, C. A., Preparator Municip. Mus., Strömstad. Zool.

Hasselberg, Prof. Dr. Bernhard, Physicist R. Acad. Sci., Stockholm. Phys.

Hazelius, Dr. Arthur, Dir. Ethnograph. Museum of the North, Stockholm. Eth.

Hector, Dr. David, Sysslomansgatan 19, Upsala. Org. Chem.

Hedberg, Joh. Aug., B.A., Teacher Publ. Coll., Eksjö. Math. Hedenius, Dr. Per, Prof. R. Univ., Upsala. Pathol. Anat. Hedin, Dr. Sven, Stockholm (at present traveling in Asia). Ethnogr. Centr. Asia, Nat. Hist.

Hedin, Dr. Sven Gust., Fellow R. Univ., Lund. Chem.

Hedlund, Dr. T., Docent, Upsala. Lichens.* Hedström, A. G., Chief Forester, Gothenburg. Forestry.

Hedström, Herman, High School, Stockholm. Bot., Geol.

Hellbom, O., Ph. Cand., Orebro. Bot: Lichens.*

Hellbom, P. J., Ph.D., Lehrer, Orebro. Bot. Lichens.*
Hellström, A. M., Chief Forester, Umeå. Forestry.
Hellström, Dr. C. G., Lect. Publ. Coll. "Nya Elementarskolan," Stockholm. Math.

Hellström, Dr. Paul, Asst. R. High School Agricult., Ultuna, near Upsala. Org. Chem.

Hemmendorff, Ernst, Upsala, Södermanlands-Nerikes Nation. Bot. C. Hennig, Anders. Fil. Dr., Docent Gool., Univ., Lund. Invert. Palæo., Bryozoa.*

Henning, Dr. Ernst, Asst. Phys. Dept. Exper. Grounds, R. Acad. Agric., Albano, near Stockholm. Agric. Bot., Mycol.

Henriques, P. H., Lect. Geom., R. Techn. High School, Stockholm. Henschen, Dr. Salom. Eberh., Prof. R. Univ., Upsala. Pathol. Anat.

Hildebrand, Dr. C. H., Assoc. Prof. R. Univ., Lund. Med.

Hildebrand, Dr. Hans, R. Antiquary, Dir. R. Archæol. Museum, Stockholm. Arch. Hildebrandsson, Prof. Dr. Hugo H., Dir. Meteor. Observ. R. Univ.

Upsala. Meteor., Phys. Geog. Hjeltström, Dr. S. A., Lect. Publ. Coll., Sundsvall. Meteor.

Hjertström, Dr. E. J. G., Assoc. Prof. R. Carol. Med. Surg. Inst., Stockholm. Psychiatrics.

Hoffstedt, A. W., Lect. R. Techn. High School, Stockholm. Mech.

Hofsten, Dr. S. A. G. von, Fellow R. Carol, Med. Surg. Inst., Stockholm. Pædiatr.

Holm, Dr. Gerhard, State Palæontologist, Geol. Survey Sweden, Stockholm. Cambr. Sil. Pal. C. Ex.
Holm, J. A., Curate, Timrâ, Wifstavarf (Prov. Vesternorrland). Bot.

C. Ex.

Holm, V. F., B.A., Teacher Publ. Coll., Ornsköldsvik. Salic.

Holmertz, C. G. G., Dir. R. High School Forestry, Stockholm. Ornith. Holmgren, Emil, Cand. Med., Kyrkogärdsgatan 9, Upsala, Anat., Entom.

Holmgren, Dr. Frithiof, Prof. R. Univ., Upsala. Physiol. Holmgren, Dr. K. A., Prof. R. Univ., Lund. Physics. Holmquist, K. O., B.A., Zool. Mus. R. Univ., Lund. Zool.

Holmqvist, P. J., B.A., Assist. Min. Inst. High School, Stockholm. Min.

Holmström, Dr. L. P., Rect. Peasant High School, Hvilan, Akarp (Prov. Skåne). Geol., Agron.

Holst, Dr. N. O., State Geologist, Geol. Survey Sweden, Stockholm. Glac. Geol.

Hoppe, E. F., Captain, State Mining Engineer, Stockholm. Pract.

Hulander, Otto, Asst. Chem. Station, Kalmar. Agron. Hulth, J. M., B.A., Asst. Library R. Univ., Upsala. Lichen. C. Ex. Bibliogn.

Hulting, Johan, Ph.D., Lehrer, Norrköping. Bot., Lichens. C. Ex.* Hvass, Dr. Thorbjörn, Fellow R. Carol. Med. Surg. Inst., Stockholm. Neurology.

Hylander, C., Asst. Seed-controlling Assoc. Central Sweden, Orebro. Agron.

Häkansson, J. F., B.A., Teacher Publ. Coll., Piteå: Bot. C.

Hägerström, K. P., B.A., Teacher Publ. Coll., Westerås. Bot., Geol. C. Högbom, Dr. A. G., Prof. (pro. temp.) High School, Stockholm, Dir. Min. Inst. Geol., Petr.

Igelström, L. J., late Mining Official, Gräs, Sunnemo (Prov. Vermland).

Min. C. Ex. rare Swed. Min.

Ihre, Dr. O. A., Teacher Publ. Coll., Örebro. Chem., Phys.

Insulander, T., Dir. Agricult. School, Bjerkasäby, Linköping. Agron.

Jochnich, Dr. C. Walter, Leet. High School R. Artillery and Engin.

Stockholm. Math., Mech.
Johansson, Dr. Adolf Magnus, Teacher Priv. Coll. "Stockholms Realgymnasium, Brunnsgatan 21. Math.
Johansson, Georg, Teacher Publ. Coll., Malmö. Bot. C. Ex.
Johansson, Dr. Johan E., Labor. Physiol. R. Carol. Med. Surg. Inst.,

Stockholm. Physiol.

Johansson, J. L., B.A., Storgatan 16, Upsala. Mar. Algol. C.

Johansson, K., B.A., Teacher Publ. Coll., Visby. Phæn. Plants, esp.

Hierac. C.

Lebansson, K. Mining Engineer Assec, Ivon Masters, Stockholm. Min.

Johansson, K., Mining Engineer, Assoc. Iron Masters, Stockholm. Min. Johansson, Dr. Nils Abr., Rcct. Publ. Coll. "Realläroverket," Gothenburg. Math., Bot. C.

John, Dr. Severin, Assoc. Prof. Chem. R. Carol. Med. Surg. Inst., Stockholm. Med. Chem.

Josephson, Dr. C. D., Fellow R. Carol. Med. Surg. Inst., Stockholm. Obstet.

Juhlin, Dr. Julius, Lect. Publ. Coll., Skara. Meteor., Phys. Juhlin-Daunfelt, Dr. Herman, Dir. R. High School Agric., Ultuna, near Upsala. Agron., Diatoms. C.

Jungner, J. G., Mining Engineer, Persberg (Prov. Vermland). Mining. Jungner, Dr. Richard, High School, Stockholm. Bot. C. Jäderholm, Axel Elof, B.A., Forsgatan I, Upsala. Bot. esp. Bryol. C.

Jäderin, Edv., B.A., Leet. R. Techn. High School, Stockholm. Geod. Jägerskiöld, L. A., Fil. Dokt., Zool. Inst., Upsala. Zool., Emb., Anat., Worms.*

Jönsson, Dr. Bengt, Fellow R. Univ. Lund, Dir. Seed-contr. Office. Bot. C.

Jönsson, Jöns, B.A., Geol. Survey Sweden, Stockholm. Agric. Geol. Kahlmeter, Dr. Thore, Asst. Publ. Coll. "Katarina," Stockholm. Phys. Kallstenius, Ewald, B.A., Upsala. Helminth., Oligochæta.

Karlsson, A. W., Rect. Techn. School, Eskilstuna. Mech. Techn. Kellgren, A. G., Klippersbol, Amål. Bot., Veg. Paleo.*

Kemisk-Mineralogiska Föreningen (Chemists' and Mineralogists' Association), Lund. Pres. Dr. J. M. Lovén, Secr. O. A. Sjöström. Kemist Samfundet (Chemists' Assoc.), Stockholm. Pres. Dr. J. A. Nor-

blad, Secr. Dr. A. G. Ekstrand. Key, Dr. Axel, Prof. Pathol. Anat. R. Carol. Med. Surg. Inst. Stockholm, Editor "Nordiskt Medicinskt Arkiv." Anat.

Keyser, Dr. C. J., late Lect. Techn. School, Norrköping. Chem.

Key-Aberg, Dr. Algot, Prof. Forensic Med. R. Carol, Med. Surg. Inst., Stockholm.

Kihlstedt, K., Upsala. Hort. Kinberg, Dr. J. G. H., late Prof. R. Veterinary Inst., Stockholm. Comp. Anat., Osteol., Zool.

Kindberg, Nils Conrad, Ph.D., Lektor, Linköping. Bot., Bryol. C. Ex. Offers mosses.*

Kjellberg, Nils, Engineer, Assoc. Iron Masters, Stockholm. Metallurgy. Kjellman, Dr. Frans, Assoc. Prof. Botany R. Univ. Upsala. Phycol., Arct. Phan. Plants. C. Ex. Scand. Mar. Alga. Desires esp. Fucoideæ.

Kjellström, A. W., Lect. Techn. School, Örebro. Stone Industry. Klason, Dr. Peter, Prof. Chem. Techn. High School, Stockholm. Techn. Chem.

Klercker, Dr. John af, Fellow High School, Stockholm, Djursholm, near Stockholm. Anat., Physiol. of Plants.

Klinekowström, Baron Axel, Kardnausmakargatan 10, Stockholm. Zool. Kobb, Dr. G., Fellow High School, Stockholm. Math., Phys.

Koble, Dr. G., Docent, Univ., Stockholm. Math., Mech. Koch, Dr. Helge von, Fellow High School, Stockholm. Math., Phys. Kolthoff, G., Preparator Zool. Mus. R. Univ., Upsala. Ornith.

Krok, Dr. Jonas M., Lect. Publ. Coll., Jönköping. Math. Krok, T. O. B. N., Teacher Publ. Coll. "Södermalm," Stockholm. Bot.

Kurck, Baron Clæs, Petersborg, Smedstorp (Prov. Skånc). Geol. Köhler, Eugène, B.A., Teacher Publ. Coll., Strengnäs. Bot. C. Læstadius, Dr. C. T., Teacher Publ. Coll., Umeå. Bot. C. Lagerheim, Dr. G., Preparator Municip. Mus., Tromsö (Norway). Algol.,

Lagerstedt, Dr. Nils Gerh. Wilh., Teacher Publ. Coll. "Östermalm,"
Stockholm. Bot., Diatoms. C.
Lagervall, Birger, Lawyer, Haga, near Stockholm. Bot. C.

Lalin, C. T., B.A., Teacher Publ. Coll. "Högre Realläroverket," Stock-

holm. Bot., Geol. Lampa, Sven, Entomologist R. Board Agriculture, Stockholm. Ent. Landin, J., Official Chemist, Stockholm. Techn. Chem.

Landtbruks-Akademien, Kongl. (R. Acad. of Agriculture), Stockholm,

founded in 1811. Pres. Dr. P. J. Ehrenheim, late Minister, Secr. Dr. Chr. Lovén.

Lang, Dr. Johan R. T., Prof. Med. Chem. R. Univ., Lund. Chem.

Langlet, Dr. N. A., Sysslomansgatan 3, Upsala. Org. Chem.
Langlet, Dr. N. A., Sysslomansgatan 3, Upsala. Org. Chem.
Larson, Alf., Engineer, Helsingborg. Techn. Chem.
Larsen, Dr. R., Asst. High School, Stockholm. Phys., Math.
Laurell, Fredrik, Dr., Upsala. Bot., Dendrology, Hort.*
Laurin, Dr. P. J. G., Lect. Math., Phys. Publ. Coll. "Latinläroverket," Gothenburg.

Leche, Dr. Wilhelm, Prof. Zool. High School, Stockholm. Morphol. of Vertebrates. Desires Mammals in alcohol.

Leffler, Dr. Gösta Mittag-, Prof. Math. High School, Stockholm, Editor "Acta Mathematica," Djursholm, near Stockholm. Math. Leffler, Dr. Johan A., Teacher High School, Stockholm. Bot. esp. Rosa, Spergulariæ.

Leissner, Ferd., late Dir. Agricult. School, R. Acad. Agricult., Stockholm. Agron.

Lennander, Dr. K. G., Prof. R. Univ., Upsala. Surg.

Lennmalm, Dr. K. G. F., Prof. R. Carol. Med. Surg. Inst., Stockhelm. Neurol.

Lénström, Carl A. E., Dr., Lehrer, Visby. Bot: Phan. Plants, Ferns.

C. Ex.*
Levertin, Dr. Alfr., Physician, Stockholm. Balneol.
Levin, Miss Maria, Teacher, High School, Stockholm.

Par Levert R Univ. Lund. Physic Algol. C.

Lidfors, Dr. Bengt, Bot. Inst. R. Univ., Lund. Physiol. Plants.

Lignell, Emil, Chief Auctioneer, Gothenburg. Ornith. C. Ex.

Lilienberg, V. E., Capt. R. Corps Road and Water Works, Municip.

Engineer, Stockholm. Hydr.
Liljefors, P. J., B.A., Asst. High School, Stockholm. Phys.
Lilljeborg, Dr. Wilh., late Prof. Zool. R. Univ., Upsala. Crust.

Lindberg, G., late Clerk R. Board Commerce, Stockholm. Bot. esp.

Cacteæ. C. Lindblad, Dr. Mathias Adolph, Dalagatan 24, Stockholm. Mycology.*

Lindbohm, E. J., Chief Forester, Helsingborg. Forestry. Lindbom, Dr. C. G., Lect. Publ. Coll., Malmö. Chem.

Lindeberg, Dr. C. J., late Lecturer Publ. Coll., Gothenburg, Pres. Resid. Alingsås. Bot. csp. Rubus, Hierac. C. Lindfors, Dr. A. O., Assoc. Prof. R. Univ. Upsala. Obstet.

Lindgren, Erik, Dir. Roy. Agric. Acad., Exper. Garden, Experimental-

fältet, Albano near Stockholm. Bot., Hort.*
Lindgren, Dr. Hj., Prof. R. Univ., Lund, Dir. Anat. and Histol.
Museum. Anat.
Lindhagen, Arvid., Ph.D., Stockholm. Ast.*
Lindhagen, Dr. Dan. Georg, Secr. R. Acad. Sci., Stockholm. Astr.
Lindman, Dr. C. A. M., Lect. Publ. Coll. "Högre Latinläroverket," Stockholm (at present traveling in Brazil). Bot., esp. Bromelia,

Silen., Gen. Biol., Morph. C.
Lindman, Dr. C. F., late Lect. Publ. Coll., Strengnäs. Math.
Lindqvist, Prof. C. A., Dir. R. Veter. Inst., Stockholm. Veter.
Lindskog, Dr. Nath., Lect. Publ. Coll., Kristianstad. Mech.

Lindstedt, Dr. Anders, Prof. R. Techn. High School, Stockholm. Lindström, Axel Fr., State Geologist, Geol. Survey Sweden, Stockholm.

Agron. Geol. Lindström, Dr. C. A., Prof. R. Carol. Med. Surg. Inst., Stockholm.

Lindström, Prof. Dr. Gustaf, Dir. Palæont. Dept. State Mus. Nat. Hist.,

R. Acad. Sci., Stockholm. Palæo. esp. Upper Sil.
Lindström, Gustaf, Asst. Mineral. Dept. State Mus. Nat. Hist., R. Acad. Sci Stockholm. Min., Anal. Chem.

Lindvall, C. A., late Chief Engin. Bergsund. Mech. Works, Stockholm. Mech., Glac. Geol. Linnarsson, Ernst, B.A., Teacher Publ. Coll., Sköfde. Bot. Cultivates

and ex. living Plants from North Regions.

Linroth, Dr. K. M., Chief Municip. Physician, Stockholm. Hygiene. Ljungman, Dr. Axel, Lilldal, Tjörn (Prov. Bohnslän). Ichthyol., Echinod. Ljungström, Dr. Ernst, Fellow R. Univ., Lund. Bot., Mycol. C. Lönnberg, Dr. Einar, Docent Zool., R. Univ., Upsala. Helminthol.,

Ichthyol., Herpetol.*

Loven, Dr. Christian, Secr. R. Acad. Agric., Stockholm. Physiol. Lovén, Dr. Fredrik, Forester, Uddeholm (Prov. Vermland). Forestry.

Bot., Ornith. C. Lovén, Dr. J. M., Laborat. Chem. Labor. R. Univ., Lund. Chem. Lovén, Prof. Dr. Sven, late Dir. Invert. Dept. State Mus. Nat. Hist., R.

Acad. Sci., Stockholm. Crust., Moll., Rad., Sponges, Protoz., Invert. Palæo. C. Ex.

Lund, Dr. A. Axel W., Teacher Publ. Coll., Vestervik. Bot. esp. Rubus.

C. Ex.
Lundell, Prof. Dr. J. A., Univ., Upsala. Phonetics.
Lundberg, Dr. K. N. K., Municip. Physician, Karlstad. Anthr., Ethnogr., Arch.

Lundberg, Dr. Rudolf, Superint. Fisheries R. Board Agric., Stockholm.

Ichthyol., Invert. living in water. Lundblad, A., Engineer, Eskilstuna. Stone Ind.

Lundbohm, Hjalmar, State Geol., Geol. Survey Sweden, Stockholm. Stone Ind., Glac. Geol.

Lundell, Dr. J. A., Prof. R. Univ., Upsala. Phonet.

Lundgren, Dr. Bernh., Assoc. Prof. R. Univ. Lund, Dir. Geol. Mus. Palæont. esp. Cret.

Lundgren, J. P., Prof. R. Veter. Inst., Stockholm. Lundquist, Dr. C. G., Prof. R. Univ., Upsala. Math., Mech.

Lundström, Dr. A. N., Fellow R. Univ., Upsala. Bot. esp. Salic., Biol. Lundström, Dr. C. H., State Inspector Mines, Filipstad. Mining.

Lyttkens, August, Dir. Landtbruks Inspektör i Kongl Landtbruks Styvelsen, Stockholm. Phan. Bot., Agric. C. Ex. seeds, plants.* Lyttkens, Emil, Dir. Chem. Station and Seed-controlling Office, Nydala,

near Halmstad. Chem. Lyttkens, I. A., Ph.D., Norrköping. Phonetics.*

Läkaresällskapet, Svenska (Swedish Society of Physicians), Jakobsgatan 19, Stockholm, founded in 1808. Pres. Dr. Edv. Welander, Secr. Dr. M. Sonden.

Löfstrand, G., Pract. Geologist, Luleå. Geol., Min. Löndahl, Dr. H., Fellow R. Univ., Lund. Chem.

Lönnberg, Dr. Einar, Docent Zool., Fellow R. Univ., Upsala. Ichthyol., Helminth, Herpetol.

Löwegren, G., Dir. Publ. Gardens, Gothenburg. Hort. C. Löwegren. Dr. M. K., Prof. R. Univ. Lund. Ophthalm. Magnusson, Dr. Axel, Teacher Publ. Coll., Söderhamn. Bot. esp. Hierac.

Malm, Dr. A. H., Inspector of Sea-fisheries, Götcborg. Ichth., Cet.* Malmberg, Capt. Fredr. Salomon, Dir. R. Naut. Mcteor. Bureau, Stockholm. Met.

Malmberg, Dr. Maur., Prov. Physician, Jönköping. Med. Bot. C.

Maline, Dr. G. O., Upsala (at present traveling in Brazil). Bot. esp. Hierac., Lichen. C.

Malmqvist, C. F., Apothecary, Drottninggatan 71A, Stockholm. Pharm. Chem.

Matematiska Föreningen (Mathematicians' Association), Upsala. Pres. Dr. E. Pfannenstiel, Secr., E. Helmgren, B.A.

Matematisk-Fysiska Föreningen (Mathematicians' and Physicists' Association), Lund. Pres. Dr. J. R. Rydberg, Secr. Dr. G. Granqvist.

Mauzelius, R., B.A., Fyrisgatan 4, Upsala. Anal. Chem. Mebius, Dr. C. A., Lect. Publ. Coll. "Realläroverket," Gothenburg.

Phys.

Medicinska Föreningen (Physicians' Association), Klarabergsgata 68, Stockholm, founded in 1877. Pres. Dr. Arvid Afzelius, Secr. Dr. Fritz Svensson.

Medin, A., Dir. Public Gardens, Döbelnsgatan 44, Stockholm. Hort. C. Medin, Dr. Osear, Prof. R. Carol. Med. Surg. Assoc., Stockholm. Padi-

Melander, Dr. C. A., Teacher Publ. Coll., Skellefteå. Bot. C.

Melander, Dr. K. W., Lect. Math., Phys. Publ. Coll., Kalmar.

Melkerson, J. A., Engineer, Bäcka, Orsa (Prov. Dalarne). Stone Ind.

Meves, J., Chief Seer. R. Board Domaines, Stockholm. Ent. C.

Mittag-Leffler, Prof. Dr., Redacteur des Acta Mathematica, Djursholm près Stockholm. Math.*

Moberg, Dr. J. C., Fellow R. Univ., Lund. Palæo. esp. Cret., Silur.

Modin, Erik, Pastor, Sidensjö, Äugml. Orn. C.*
Mohlin, C. L. H., B.A., Teacher Publ. Coll., Norrköping. Math.
Molér, Dr. P. C. V., Teacher Publ. Coll., Vesterås. Bot. C.
Moll, Dr. K. Tom, Lect. Publ. Coll. "Högre Realläroverket," Stockholm.

Montelius, Prof. Dr. Oscar, Chief Asst. R. Archæol. Museum, Stockholm. Archæol.

Morell, E. J., Prof. R. Veter. Inst., Stockholm.

Morton, C., Asst. Min. Geol. Inst. R. Univ., Upsala. Min.

Müller. Erik, Prof. (pro. temp.) R. Carol. Med. Surg. Inst., Stockholm.

Müller, John, B.S., M.D., 34 Järnbrogatan, Upsala. Gen. Biol., Anat., Anth., Eth., Philol.*

Müller, Sven, Engin. Fen Culture Assoc., Jönköping. Munthe, Dr. Henrik, Fellow R. Univ. Upsala. Glac. Geol., Moll., Diatoms.

Murbeck, Dr. Svante, Vetenskapsakademien, Stockholm.* Möller, Dr. Astolf, Lect. Math., Phys. Publ. Coll., Helsingborg.

Möller, Prof. Dr. Axel, Dir. Astron. Observ. R. Univ., Lund. Astr.
Möller, Prof. Dr. Axel, Dir. Astron. Observ. R. Univ., Lund. Astr.
Möller, Gust. Elis, B.A., Asst., Histol. Inst. R. Univ., Lund. Histol.
Möller, Dr. Julius, Leet. Publ. Coll., Lung. Math.
Möller, Dr. M., Fellow R. Carol. Med. Surg. Inst., Stockholm. Dermatol.
Mörner, Dr C. T., Count, Fellow R. Univ., Upsala. Bot., Med. Chem.
Mörner, Dr. K. A. H., Count, Prof. R. Carol. Med. Surg. Inst., Stockholm. Physiol. Chem. holm.

Nathorst, Alfred Gabriel, Ph.D., Prof , Acad. of Sciences, Stockholm.

Bot., Palæo., Fossil plants.*

Nathorst, Prof. Hj., late Dir. R. High School Agriculture, Alnarp, Secr. R. Agric. Soc., Prov. Malmöhus, Lund. Agron.

Naturvetenskapliga Förening, Stockholms (Nat. Hist. Assoc. at Stockholm). Pres. Dr. O. T. Sandahl, Seer. Dr. Simon Nordström.

Naturvetenskapliga Studentsällskapet (Students' Society of Nat. Hist.), Upsala. Pres. Dr. A. N. Lundström; Chem. Section, Secr. Dr. S. Forsling; Botan Section, Secr. P. S. J. Segerstedt; Zool. Section, Seer. L. G. Andersson; Geol. and Phys. Geogr. Section, Secr. O. Nordenskjöld.

Nauckhoff, Dr. Gustaf, Mining Engineer, Grängesberg (Prov. Dalarne). Pract. Geol.

Neander, Dr. Ehrenfried, Teacher Publ. Coll., Asst. Zool. Mus. R. Univ., Lund. Ornith.

Netzel, Dr. N. W., Prof. R. Carol. Med. Surg. Inst., Stockholm. Obstetr., Bot. C.

Neuman, Dr. Carl, Rector Publ. Coll., Borås. Ent., Acari. C. Neuman, Dr. Leopold, Rector Publ. Coll. Ystad. Phæn. Flants, esp.

Viola, Rubus, Potamogeton, Sparganium, Ferns. C. Ex.
Nilsson, Dr. Albert, Lect. R. High School Forestry, Stockholm. Bot. C.
Nilsson, Prof. Dr. L. F., Dir. Chem. Dept. Exper. Grounds, R. Acad. Agric., Albano, near Stockholm. Agric. Chem.

Nilsson, Dr. N. Hj., Dir. Sced-controlling Office, Svalöf (Prov. Skåne). Bot.

Nilsson, Dr. S. J., Teacher Publ. Coll. "Latinläroverket," Göteborg. Bot. C.

Norblad, Dr. J. A., Chemist Rörstrand's Porcellain Manufactory, Stockholm. Techn. Chem.

Nordenmark, N. V. E., B.A., Asst. Astron. Observ. R. Univ., Upsala. Astr.

Nordenskiöld, Adolf E., Baron, Dir. Min. Dept., State Mus. Nat. Hist., Prof. R. Acad. Sc., Stockholm.*
Nordenskiöld, Gustaf, Acad. of Sciences, Stockholm. Geol., Eth.*

Nordenskjöld, Otto, Fil. Kand., Upsala. Petrog.*

Nordenson, Dr. Erik, Physician, Stockholm. *Ophthalm*. Nordenström, Gustaf, Prof. R. Techn. High School, Stockholm. *Mining*. Nordin, Isidor, Apothecary, Drottningholm, near Stockholm. Ent. C. Nordiska Musect (Ethnographical Museum of the North), Stockholm.

Dir., Dr. A. Hazelins.

Nordlund, Dr. G. A., Assoc. Prof. R. Univ., Upsala. Anat. Nordstedt, Dr. Otto, Keeper at the Bot. Mus. Univ., Lund. Editor: "Botaniska Notiser." Bot., Characea, Desmids, Freshwater Alga. C. Ex.*

Nordström, Dr. Simon, Sec. R. Dept. Eccles. Affairs, Stockholm. Zool. Nordström, Dr. Th., Counselor R. Board Commerce, Dir. Chief Office Mining, Stockholm. Pract. Geol.

Nyberg, Ingemar, State Inspector of Mines, Säfsjö (Prov. Småland). Nylander, Oscar, Dir. Chem. Station and Seed-contr. Office, Skara. Chem. Nyman, Erik, B.A., Kyrkogardsgatan 11. Upsala. Bryol. C.

Nyström, Dr. Edvard Th., Asst. R. High School Agric., Ultuna, near

Upsala. Veter. Odelberg, A. T., Chief Dir. R. Board Agric., Stockholm.

Odelstjerna, E. G. Engineer Assoc. Iron Masters, Bofors (Prov.

Orebroo. Metallurgy.
Odenius, Dr. M. V., Prof. R. Univ., Lund. Path. Anat.
Olbers, Miss Alida, Nybrogatan 49, Stockholm. Bot. C.
Olbers, E. W., late Teacher R. High School Agric, Alnarp, Lund. Geol.,
Anat. Chem.

Olbers, Thord, Lilla Vattugatan 30, Stockholm. Peat. Olsson, Dr. K. G., Astron. Observ., Stockholm.

Olsson, Dr. Olof, Lect. Publ. Coll., Orebro. Mech. Olsson, Peter, Dr. Phil., Östersund. Phan. Bot., Meteo., Zool., Invert., Anat., Arch., Ichthyol., Crustacea, Worms.*

Olsson, T. T., State Mining Engineer, Lund. Ortenblad, V. Th., Sollefteå. Bot: Phæn. Flants, Anat., Orn.* Pahl, Dr. C. N., Leet. Publ. Coll., Umeå. Chem.

Palmberg, Th., Engin. Assoc. Iron Masters, Stockholm. Peat. Palmer, Dr. Knut Wilhelm, Asst. Chem. Inst. R. Univ., Upsala. Chem. Palmqvist, Miss Augusta, Teacher, Chem. Inst. High School, Stockholm. Hydrogr.

Perman, Dr. E. S., Fellow R. Carol. Med. Surg. Inst., Stockholm. Surg. Persson, J., Apothecary, Regeringsgatan 61, Stockholm. Bryol. C. Petersson, Dr. Oscar Victor, Prof. R. Univ., Upsala. Med.

Petersson, Dr. Valfrid, Pract. Geologist, Drottninggatan 40, Stockholm. Chem., Petr., Min., Mining.

Petrini, Dr. Henrik, Fellow R. Univ., Upsala. Mech.

Pettersson, Fredr., Gardener R. Univ., Upsala. Hort.
Pettersson, Hj., Ph. Cand., Vestervik. Bot. C. of Swedish Myxomycetes. Wish to make exchanges or to buy coll. of Myxomycetes. C. of Swedish Rubi for ex.*

Pettersson, J. M., Teacher Publ. Coll. "Nya Elementarskolan," Stockholm. Bot. C.
Pettersson, Dr. Otto, Prof. High School, Stockholm. Phys. Chem.,

Hydrogr.

Pfannenstiel, Dr. Ernst, Fellow R. Univ., Upsala. Math.
Pfannenstill, Dr. S. A., Fellow R. Carol. Med. Surg. Inst., Stockholm.
Phragmén, E., Prof. d'Analyse à l'Univ., Sec. de la rédaction des Acta Mathematica, Stockholm. Math.*

Phragmén, Dr. L. J., Rector Publ. Coll., Örebro. Math.

Pihl, A., Direktor, Stockholm. Bat., Hort.*
Porat, Dr. C. O., Teacher Publ. Coll., Dir. Seed-contr. Office, Jönköping. Phan. Plants, Myriop. C.
Post, Hampus von, late Dir. Chem. Station, R. High School Agric.,

Ultuna, near Upsala. Glac. Geol., Agric. Chem., Mycol.

Post, Hans von, Min. Eng., S. Möckleby, Degerhamn (Prov. Oland). Coal Mines, Cement.

Post, Tom von, Dir. Seed-contr. Office, Upsala. Bot.

Psilander, Axel Aug., B.A., Asst. Astron. Observ. R. Univ., Upsala. Ast.

Quennerstedt, Prof. Dr. Aug. Wilh., Dir. Zool. Mus., R. Univ., Lund. Comp. Anat., Infus.
Retzins, Dr. Gustaf, late Prof. R. Carol. Med. Surg. Inst., Stockholm.

Anat., Histol., Anth. Reuterskiöld, B. E. G. C., Apothecary, Drottninggatan 71A, Stockholm. Pharm. Chem.

Ribbing, Dr. Seved, Prof. R. Univ., Lund. Hygiene. Ringius, Dr. G. E., Teacher Publ. Coll., Ystad. Bot. C. Romell, Lars, Phil. Cand., Editor: "Fungi exsice. paras Scand.," Sturegatan 56, Stockholm. Mycology. Desires Fungi, sec. or living, from all countries.*

Rosén, Dr. A., Lect. Publ. Coll., Malmö. Elect.

Rosen, Dr. P. G., Prof. Topogr. Survey, Stockholm. Geod.

Rosenberg, Dr. J. O., Prof. R. Techn. High School, Stockholm. Chem.

Rossander, Dr. C. J., late Prof. R. Carol. Med. Surg. Inst., Stockholm. Ophthalm.

Roth, Dr. Alexander, Prov. Physician, Asum (Prov. Skane). Bot. Roth, C. D. E., Prepar. Zool. Mus. R. Univ., Lund. Ent. Rubenson, Prof. Dr. Robert, Dir. R. Metco. Inst., Stockholm.

Meteo.

Rudelius, C., Manager Atvidaberg Copper Works, Atvidaberg (Prov. Östergötland). Metal. Rydberg, Dr. J. R., Fellow R. Univ., Lund. Physics.

Salin, Dr. Mauritz, Assoc. Prof. R. Carol. Med. Surg. Inst., Stockholm. Gynæcol.

Samuelson, S. H., Engin., Marieberg, near Kil (Prov. Vermland). Peat. Samzelius, J. A. Hugo, Forstmeister, Kgl. Domänstyrelsen, Stockholm.

Bot., Zool., Gen. Biol., Eth., Ethnog., Ent. C. Ex.*
Sandahl, Dr. O. Th., Assoc. Prof. R. Carol. Med. Surg. Inst., Stockholm. Bot., Pharmacol., Ent. C.

Sandin, Emil, Göteborg. Zool., esp. Coleopt. C. Ex. Desires Longi-

cornes from all parts of the world for Swedish Beetles and Butterflies. Sells Beetles from Kamerun, Africa.*

Santesson, Dr. C. G., Fellow R. Carol. Med. Surg. Inst., Stockholm,

Present Residence, Upsala. Physiol.

Santesson, Mrs., Upsala. Algol.

Santesson, Dr. Henrik, State Geologist, Geol. Surv. Sweden, Stockholm. Analyt. Chem.

Saute, Dr. Henrik, Jr., Gool. Survey of Sweden, Stockholm.*

Scheele, Götrik von, Dir. Agric. School, Kilanda, Elfängen (Prov. Vestergötland). Agron.

Schillberg, A. J., Apothecary, Hornsgatan 75B, Stockholm. Pharm.*

Schlyter, C. O., District Judge, Hudiksvall. Bot. C.*

Schmalensee, G. C. von, Geol. Survey Sweden, Stockholm. Pal. Schmidt, P. L., Asst. R. High School Agric., Alnarp, Åkarp (Prov-Skåne). Veter.

Scholander, Érik, Engineer, Hököpinge (Prov. Skåne). Techn. Chem. Schultz, Prof. Dr. Herman, late Dir. Astron. Observ., R. Univ., Upsala.

Present Residence, Stockholm. Ast. Schultz-Steinheil, Dr. C. A., Asst. R. Astron. Observ., Stockholm. Ast. Schött, Dr. Harald, Teacher Publ. Coll., Filipstad. Zool., esp. Collembola. C. Segerstedt, P. S. J., B.A., Bot. Inst. R. Univ., Upsala. Bot. C.

Selander, Dr. N. E., Fellow R. Carol. Med. Surg. Inst., Stockholm. Bacteriol.

Sellergren, G. A., Prof. R. Techn. High School, Stockholm. Mech. Techn.

Sernander, Rutger, B.A., Kyrkogärdsgatan 19, Upsala. Bot., Glac. Geol.

Seth, K. A., Asst. Bot. Inst., R. Univ., Upsala. Bryol. Setterberg, Dr. Carl, Official Chemist, Stockholm. Techn. Chem. Sillén, Dr. Otto, Prov. Physician, Borgholm. Bot. C. Simmons, H., B.A., Asst. Botan, Inst., R. Univ., Lund. Bot. Sjöberg, Nils, Chief Forester, Lulež. Forestry.

Sjögreen, Carl M., Alvastra. Ent.* Sjögren, Hj., Prof., Upsala. Min., Geol.*

Sjöstedt, Y., Fil. Kand., Zool. Inst., Upsala. Zool., Orn., Ent.* Sjöström, O. A., B.A., Asst. Chem. Labor. R. Univ., Lund. Chem. Skånberg, Alex., Lect. Publ. Coll. "Nya Elementarskolan," Stockholm.

Chem., Bot. C.
Skårman, J. A. O., Phil. Dr., Stockholm. Bot., Geol., Zool.*
Smitt, Frederick Adam, Prof. Naturh. Mus., Stockholm, Dir. Vertebrate Div. Zool., Vert.. Bryozoa.*

Sohlberg, Dr. K. H., Lect. Publ. Coll., Strengnäs. Meteo. Solander, Dr. Emil, Fellow R. Univ., Upsala. Phys. esp. Magnet. of the

Sondén, K., Chemist Board of Health, Stockholm.

Spångberg, Dr. Jakob, Lect. Publ. Coll., Gefle. Ent. C. Stahre, N. L., Prof. Chem., Pharm. R. Pharmaceut. Inst., Stockholm. Pharm. Chem.

Starbäck, Dr. Karl, Storgatan 14, Upsala. Mycol. Starck, E. M., B.A., Lect. Techn. School, Örebro. Mech. Techn. Stenström, Dr. K. O. E., Bot. Dept. State Mus. Nat. Hist., R. Acad. Sci.,

Stockholm. Bot. esp. Hierac. C. Stjernqvist, Olof, Dir. Seed-contr. Office, Stockholm. Bot., Hort. C. Ex. Stolpe, Dr. Hjalmar, Asst. R. Archæol. Mus., Stockholm. Ethnog., Eth., Anth., Arch. C. Ethnog. Ex.

Stolpe, Mats, State Geologist, Geol. Survey Sweden, Stockholm. Geol. Strandmark, Dr. P. W., Teacher Publ. Coll., Helsingborg. Bot. C. Glac. Geol.

Strokirk, C. G., Dir. Seed-contr. Office, Hernösand. Bot. C.

Strömman, Pehr, Fil. Kand., Upsala Zool.*

Stuxberg, Dr. Anton, Dir. Zool. Dept. Mus., Gothenburg. Myriop., Crust.

C. Ex. Desires extra-Europ. Batrachia and Reptiles.
Styffe, Knut, late Dir. R. Techn. High School, Stockholm. Meteo.
Sundberg, Dr. A.A.R.E., Lect. Math., Phys. Publ. Coll., Falun.
Sundberg, C. F., Dir. State Railroads, Luleå. Bot. C.
Sundberg, Dr. C. J. G., Labor. Pathol. Anat. R. Univ., Upsala. Histol.
Sundberg, J. O., B.A., Teacher Publ. Coll., Kristinehamn. Geol.
Svanlund, Fredr., late Dir. Telegraph Office, Karlskrona. Bot. C.
Svederus, Dr. M. B., Teacher Publ. Coll., Upsala. Zool. esp. Tunic. C. Ex.

Svedmark, Dr. Eugène, State Geologist, Geol. Survey Sweden, Stockholm. Petr.

Svenonius, Dr. Fredr., State Geologist, Geol. Survey Sweden, Stockholm. Geol.

Svenson, Göthe Wilhelm, Superintend. Marine Engineers, Stockholm. Mech.

Svensson, Dr. A. W., Teacher Publ. Coll. "Realläroverket," Stockholm. Phys.

Svensson, J., Ph. Cand., Vestervik. Chem., Phys., Elect.*

Svensson, J., Ph. Cand., Vestervik. Chem., Phys., Elect.*
Svensson, Dr. Nils, Lect. Chem., Phys. Publ. Coll., Vestervik.
Svensson, Sven Josef, B.A., Asst. Phys. Inst. R. Univ., Lund. Phys.
Särnström, C. G., Lect. R. Techn. High School, Stockholm. Metallurgy.
Söderbaum, Dr. H. G., Fellow R. Univ., Upsala. Chem.
Söderberg, Dr. J. T., Fellow R. Univ., Upsala. Math.
Söderblom, Dr. And. Leon. Axel, Lect. Chalmer's Techn. Inst., Gothen-

burg. Math. Tamm, Dr. Adolf, Dir. R. Assay Office, Stockholm. Analyt. Chem.,

Meteo.

Tedin, Dr. Hans, Asst. Seed-contr. Office, Svalöf (Prov. Skåne). Bot. Teknologföreningen, Svenska (Swedish Technological Students' Club), Brunkebergstorg 18, Stockholm. Publ. "Teknisktidskrift" (Technical Journal).

Thalen, Dr. Tobias Robert, Prof. R. Univ., Upsala, Phys., esp. Magnet.,

Spectr. Anal. Thedenius, C. G. H., Apothecary, Gothenburg. Bot. C. Thedenius, Fredr., late Lecturer, Stockholm. Bot. C.

Théel, Dr. Hjalmar, Prof. and Dir. Invert. Dept. Slate Mus., Stockholm.

Invert. (except Insecta). C. Ex.*

Thegerström, C. F., Chief Actor R. Theater, Stockholm. Mycol.
Theorin, Dr. P. G. E., Lect. Publ. Coll., Falun. Mycol., Lichen. C.
Tholander, Dr. Henrik, Engin. Assoc. Iron Masters, Stockholm. Metall.
Thouson, Dr. C. G., Assoc. Prof. R. Univ., Lund. Ent.
Thorburn, Robert M., Merchant, Uddevalla. Conch. C. Ex. Postglac.

Shells from Raised Beaches.

Thorell, Dr. T. T., late Assoc. Prof. R. Univ., Upsala. Present Residence

Montpellier (France). Arachn.
Thorstenson, G., Lund ("Vermlands nation)." Carex. C.

Thudén, C. J. A., B.A., Lect. Publ. Coll., Halmstad. Zool.

Tiberg, H. V., Mining Dir. Långbanshyttan, Persberg (Prov. Vermland). Miner., Magn.
Tigerhielm, F. W., Chief Forester, Gefle. Forestry.

Tigerstedt, Robert, A. A., M.D., Prof. der Physiol., Carol. Inst., Stockholm. Physiol.*

Timberg, Dr. Gustaf, Asst. R. High School Agric., Ultuna, near Upsala. Phys.

Tiselins, Dr. G. A., Teacher Publ. Coll. "Jakob," Stockholm. Bot. esp. Potamogeton. C.

Tolf, R., Asst. Fen Culture Assoc., Jönköping. Phan. Plants, Ferns, Mosses, Fungi. C.

Torell, Prof. Dr. Otto, Dir. Geol. Survey Sweden, Stockholm. Glac. Geol.

Törnebohm, Dr. Alfred Elis. Practical Geologist, Lecturer on Min. and Geol., Tekniska Högskolan, Stockholm.*

Torstensson, Dr. A. O., Gothenburg. Balneol.
Troilius, C. O., late Dir. Gen. State Railroads, Stockholm. Mining, Geol.
Trybom, Filip, First Assistant of Fisheries, Stockholm. Ichth., Ent.,
Carcinology. C.*

Trysén, Alb. O., State Inspector Mines, Luleâ.
Tullberg, Tycho, Prof., Ph.D., Upsala. Zool.*
Törnebohm, Dr. A. E., Lect. Min., Geol., R. Techn. High School, Stockholm, Practical Geologist. Petr., Mining.
Törnqvist, Dr. Sven Leon., Lect. Publ. Coll., Lund. Cambr. Sil. Pal.

Ulffers, E., Mining Eng., Höganäs (Prov. Skåne). Coal Deposits.

Ulriksen, Fredr., Teacher R. High School Agric., Alnarp, Akarp (Prov.

Chrissen, Fredt., Teacher R. Fligh School Agric., Amarp, Akarp (Frot. Skåne). Hort.
Vallin, C. T., Upsala. Hort.
Varenius, B., Helsingborg. Coleopt.*
Vetenskaps Akademien, Kongl. Svenska (Royal Swedish Academy of Sciences), Stockholm, founded in 1739. Pres. Dr. C. G. Hammarskjöld, Secr. Dr. D. G. Lindhagen.
Vetenskaps- och Vitterhetssamhället (Royal Society of Sciences and Belles Lattack) Cathophyne Canadad in 1778. Secr. Dr. Johannes Paul-

Lettres), Gothenburg, founded in 1778. Secr. Dr. Johannes Paul-

son, Prof.

Vetenskapssocieteten, Upsala, Kongl. (Royal Society of Sciences at Upsala), founded in 1710. Pres. Dr. H. E. Rydin, late Prof., Secr. Dr. T. R. Thalén.

Vinge, Dr. N. E., Lect. Nat. Hist., Publ. Coll. "Latinläroverket," Gothenburg.

Wærn, Dr. Jonas, Assoc. Prof. R. Carol. Med. Surg. Inst., Stockholm. Pædiatr.

Wahlstedt, A. J. G., B.A., Cand. Mcd., Asst. Pharmacol. Inst. R. Univ., Lund. Pharm., Chem. Wahlstedt, Dr. L. J., Lect. Publ. Coll., Dir. Seed-contr. Office, Kristian-

stad. Bot. C.

Wallengren, Hans Daniel, Pastor, Farhult, Mjöhult. Phan. Plants,

Ferns, Lepid., Neuropt, Infusoria, Orn. C. Ex.* Wallengren, Hans Th. S., Fil. Kand, Amanuens, Zool. Mus., Farhult, Mjöhult. Bot : Phan. Plants, Gen. Biol., Geog. Dist., Morphol., Mjohult. Bot: Phæn. Plants, Gen. Biol., Geog. Dist., Morphol., Emb., Anat., Anth., Arch., Eth., Ethnog., Philol., Vert., Mam., Ool., Herpetol., Ichth., Tax., Osteol., Myol., Histol.*
Wallin, Dr. G. S., Fellow R. Univ., Lund. Chem.
Wallin, Dr. J. A., Inspector National Schools, Kantorp (Prov. Södermanland). Geol.
Wallin, Dr. Karl, Lect. Nat. Hist., Chem. Publ. Coll., Karlskrona.
Wallin, K., Teacher R. Techn. High School, Stockholm. Electrotechn.
Wallis, Dr. Curt, Assoc. Prof. R. Carol. Med. Surg. Inst., Stockholm.
Path. Anat.

Wallroth, C. A., Controller R. Assay Office, Stockholm. Chem., Meteo. Walter, C. R., Dir. Veter. Inst., Skara.

Warholm, Dr. A. R., Fellow R. Univ., Lund. Surg.

Warodell, Dr. Emil, Army Surgeon, Ostersund. Bot. C.

Weibull, Dr. M., Assist. Chem. Labor. R. Univ., Lund, Teacher R. High School Agric., Alnarp, åkarp (Prov. Skåne). Chem., Min. Welander, Dr. Edvard, Fellow R. Carol. Med. Surg. Inst., Stockholm.

Syphilid.

Wennerholm, J. G. H., Prof. R. Veter. Inst., Stockholm.

Werner, A., Dir. R. Gardens, Haga, near Stockholm. Bot., Hort. C. Westberg, C. F., State Inspector Mines, Nora.

Westerberg, Dr. K. A., Lect. High School Agric., Ultuna, near Upsala.

Westerlund, Dr. Carl Agardh, Teacher Publ. Coll., Ronneby. Malacol. C. Ex. Spec., esp. Palæo-Arctic Fauna.

Westerlund, Dr. E. O. T., Army Surgeon, Enköping. Pract. Med. Westerlund, O., Forester, Luleå. Bot. Westermark, Dr. A. E. T., Prosect. R. Carol. Med. Surg. Inst., Stock-Anat. holm.

Westermark, Dr. F. J. E., Fellow R. Carol. Med. Surg. Inst., Stockholm. Obstet.

Westin, O. E., Lect. R. Techn. High School, Stockholm. Mech.

Westling, Miss Charlotta, High School, Stockholm. Zoot.

Westman, A., Dir. Seed-contr. Office, Gefle. Bot. C.

Westman, Jonas, B.A., Asst. Meteo. Observ. R. Univ., Upsala. Meteo.

Wetterdal, Gust. Ludv., State Mining Engineer, Falun. Mining.* Wiberg, Nils, Post-Officer, Gothenburg. Coleopt. C. Ex.

Wiborgh, Joh. Gust., Prof. R. Techn. High School, Dir. Higher Mining School, Stockholm. Metallurg. Wide, Dr. A. G., Dir. R. Gymn.-Orthop. Inst., Stockholm.

Widen, Jonas, Dir. Chem. Station, Örebro. Agric., Chem. Widman, Dr. Oscar, Assoc. Prof. R. Univ., Upsala. Analyt. Chem. Widmark, Dr. Johan, Assoc. Prof. R. Carol. Med. Surg. Inst., Stockholm. Ophthalm.

Wigert, Ture, B.A., Meteor. Observ. R. Univ., Upsala. *Phys.*, *Meteo.* Wijkander, Prof. Dr. August, Dir. Chalmer's Techn. Inst., Gothenburg.

Phys., Meteo., Ast. Wiman, Dr. Anders, Fellow R. Univ., Lund. Math.

Wiman, Carl, Fil. Kand., Sturegatan 17, Upsala. Palæo., Strat. Geol.* Wimmerstedt, Prof. Dr. A., R. Forensic Chemist, Stockholm. Med. Chem.

Winberg, Prof. Dr. Hugo, Dir. R. High School Agric., Alnarp, Akarp (Prov. Skåne). Agron. Winslow, Dr. A. P., Teacher Publ. Coll. "Latinläroverket," Gothenburg.

Bot. esp. Rosæ and Sal. C.

Wirén, A., Dr. Ph., Prof. der vergleichenden Anat, Upsala. Zool., Anat., Solenogastres, Annelida.*

Wiström, Dr. Joh. Alfr., Teacher Publ. Coll., Hudiksvall. *Phæn. Plants, Coleopt., Lepid.* C. Ex. Lepid., Endog. Plants. Witt, T., Mining Engineer, Falun. *Min.*

Witterhets-, Historie- och Antiqvitets Akademien, Kongl. (R. Academy of Literature, History and Antiquities), Stockholm, founded in 1786. Secr. Dr. Hans Hildebrand.

Wittlock, Dr. J. A. Z., Army Surgeon, Vexiö. Arch., Ethnogr. Wittrock, Dr. Veit B., Mitglied der Akademie, Prof. Bergianus, Dir. des Gartens und des botanischen Museums, Stockholm.

Wulff, H. A., Dir. Agricult. School Applerum, Kalmar. Agron. Wästfelt, A. U., Seer. Seed-contr. Assoc. Centr. Sweden, Örebro. Agron. Yhlen, Gerhard von, late Inspector of See-fisheries, Känsö, Gothenburg. Zool., Ichthyol.

Zander, Dr. Gustaf, Fellow R. Carol. Med. Surg. Inst., Stockholm. Med.-Mech. Gymnast.

Zoologisk-Geologiska Föreningen (Zoologists' and Geologists' Association), Lund Pres. Dr. D. Bergendal, Secr. Hans Wallengren.

Ågren, F., B.A., Dir. Seed-contr. Office, Lulea. Bot. Åkerblom, Filip, B.A., Asst. Meteor. Observ. R. Univ., Upsala. Meteo., Phus.

Åkerhielm, Baron Mauritz, Lect. R. High School Agric., Ultuna, near Upsala. Veter.

Åkerman, Dr. J. H., Fellow R. Univ., Lund. Surg.

Åkerman, Dr. Richard, Dir. Gen. R. Board Commerce, Stockholm. Iron

Ångström, Dr. Knut, Asst. Dir. Phys. Inst. R. Univ., Upsala. Phys., Spectr. Anal.

Ångström, Dr. C. A., Prof. R. Techn. High School, Stockholm. Hydraul. and Mech. Engineering.

Öberg, Dr. Pehr, State Mining Eng., Dir. School of Mines, Filipstad.

Öberg, Dr. Victor, Rector Peasant High School, Tranas (Prov. Smaland). Geol.

Ödmansson, Dr. Ernst, Assoc. Prof. R. Carol. Med. Surg. Inst., Stockholm. Syphil.

Öhrvall, Dr. Hjalmar, Asst. Dir. Physiol. Labor. R. Univ., Upsala. Physiol.

Örtenblad, V. T., Forester, Sollefteå (Prov. Vesternorrland). Phæn. Plants, Ornit.

SWITZERLAND.

Andreae, V., Fleurier. Bot: Phan. and Crypt. Plants, Mosses, Hort., Inorg. Chem., Mic., Gen. Biol., Geog. Dist. C. Arndt, L., Neuchatel. Ast.

Autran, Eugène, Charmilles, Genève. Hemoptères paléarctiques. Avenarius, Prof. Dr. R., Klosbachstr. 53, Hottingen-Zurich. Philos.

Bader, Pharmacien, Geneva. Bot.

Baltzer, Dr. A., Prof. Geol., Univ., Berne. Strat. Geol., Min. Bamberger, Prof. Dr. Eugen, Frof. der Chem., Zürich. Chem.* Barbey, William, Valleyres sous Rances (Vaud). Bot. C.

Bazzigher, Lucius, Chur. Lepid. Bedot, Maurice, Dr. Sc., Dir. du Musée d'Hist. Nat., Geneva. Zool.,

Bedof, Maurice, Dr. Sc., Dir. du Misse d'Hist. Luci,
Invert. Anat., Eth., Ethnog., Radiates.
Bentell, R., Berne. Lepid.

Béraneck, Dr. Ed., Prof. à l'Akad., Neuchatel. Vert., Emb.
Bernet, T., Conserv. de l'Herbier Delessert à Genève. Bot.
Bernoulli, Dr. Wilhelm, Schartlingasse 4, Basel. Phæn. Bot., Ferns. C. Ex. Desires correspondents.

Bertsch, Prof. Hreh., Neukirch-Egnach, Thurgau. Phys., Chem.

Bertschinger, C., Mus. Geol., Lausanne. Geol.

Besse, M., Chanoine à l'Abbaye de Saint-Maurice, Valais. Min., Inorg. Chem., Physics, Elect., Photog., Orn., Ent. C. Ex. birds. Biaudet, Dr., Bex. L. and F. W. Shells. Ex.

Bieler, Arenur Agassiz, Lausanne. Mic. Blane, H., Prof. Dr., Lausanne. Zool. Bloesch, Carl, Laufenburg. Coleopt., Lepid.

Boeschenstein, A., Schaffhausen. Coleopt. Bolthauser, Heinrich, Sekundarlehrer, Amrisweil, Thurgau. Bot: Phæn. and Crypt. Plants, Fungi, Mic.*
Boos, Prof. Dr. Heinrich, Univ., Basel. Palæo.
Bourget, Dr., Prof. à la Faculté de Médicine, Lausanne. Org. Biol.,

Pharmacol. C. Ex.

Briquet, John, Docteur-ès-sciences, Privat-Docent de bot. à l'Univ., Sous-Conserv. de l'herb. Delessert. 5 rue de l'Eveché, Genève. Phan. Plants (Labiatæ), Geog. Dist. of Plants in Europe. C. Ex.

Brot. Dr., Route de Malagnou 6, Geneva. Con : L. and F. W. Shells.* Brückner, Dr. Edward, Prof. Geogr., Univ., Berne. Phys. Geol., Meteo.* Brugger, Prof. Dr. Ch., Coire. Bot. Brun, Alb., Pharmacien, Licensic es-Sciences, Place St. Gervais à Genève.

Mic. (Materia medica et Diatomées.)

Brun, Jacques, Prof. à la Faculté de Médecine, Geneva. Diatoms. C. Ex.

Bugnion, Dr. E., Prof. Anat. and Emb., Univ., Lausanne. Zool., Gen. Biol., Geog. Dist., Morphol., Emb., Anat., Anth., Histol., Coleopt.* Buiot, Paul, Geneva. Zool.

Buren, Eugene von, Berne. Ent. C.

Burghard, Fr., Wädensweil. Bot., Ent., Lepid., Coleopt. C. Ex.*

Burnat, Emile, Promenade an Pin 1, Geneva. Bot.

Buser, Dr. Robert, Conserv. de l'Herbier de Candolle à Genève. Rosa, Galix.

Caderay, Jul., Lausanne. Phys., Elect. Calloni, Silvio, Prof. Nat. Hist., Pazallo près Lugano. Bot., Anim. Dist. Condolle, Dr. Casimir de, Cour de St. Pierre 3, Geneva. Bot.*

Chappuis, F. L. A., Boudry. Bot. Chavannes, Rev. Sylvius, Lausanne. Geol. Chenevard, Paul, Avenue de la Granade à Genève. Bot.

Chodat, Robert, Dr.-ès-Sci., Prof. de Bot., Univ., Geneva. Boulevard de Plainpalais 13. Bot: Phæn. and Crypt. Plants, Polygalaceæ.* Christ, Dr. H., rue St. Jacques 5, Basel. Syst. and Geog. Botany, Carex, Filices, Marine Algæ.*

Chuard, Ernest, Prof. de Chimie Agric. à l'Univ. de Lausanne et à l'Inst. Agric. du Ct. de Vand, Lausanne. Min., Inorg. Chem. C. of rocks

and minerals of agricultural importance. Ex.

Coaz, T., Inspecteur Forestier de la Suisse à Berne. Bot. Cornaz, Edouard, Dr. Méd., Neuchâtel. Phan. Bot., Ferns. C. Ex. Correvon, H, Dir. du jardin Alpin d'Acclimatation à Genève. Bot.

Cottet, Mich., Canonicus, Gruyere. Roses. Courvoisier, Prof. Dr. L. G., Basel. Lepid.

Cramer, Prof. Dr. Carl Eduard, Adlerburg Stadelhofen, Zurich. Bot: C. Crypt., esp. Alga.*

Custer, C. A., Dr. Med., Rheineck (St. Gall). Davall, A., Inspecteurforestier à Vevey. Bot.

Dodel, Arnold, Prof. Dr., University, Zurich. Bot., Mic., Physiol.* Dodel, Louise, Dr. Phil., Assist. am Botan. Lab. der Univ., Zurich. Bot., Mic., Physiol., Photog.*

Dæbeli, Sam., Aarburg. Coleopt.

Doge, François, La Tour de Peilz (Vaud). Palæo., Geol. C. Dor, Dr. Henri, Vevay (Vaud). European Coleopt. Ducret, Dufour, Moudon (Vaud). Coleopt. C. Ex.

Dufour, Henri, Prof. de Physique, Univ. de Lausanne. Physics, Meteo.* Dufour, Dr. Prof. Jean, Station viticole, Lausanne.

Dunant, Victor, Geneva. Geol., Min.

Duparc, L., Prof., Geneva. Min.

Du Plessis, Dr. G., Montchoisi, near Orbe. Coleopt. Escher, Dr. J. J., Zurich. Bot. Escher, Kündig, Zurich. Ent.

Eternod, A., Prof., Dir. Lab. d'Histol. Normal et d'Emb., Geneva.

Fatio, Dr. Victor, rue Massot 4, Geneva. Zool., Gen. Biol., Geog. Dist., Vert. Anat, Mam., Orn., Ool., Herpetol., Ichthyol., Hemipt. C.

Favrat, Dr. Auguste, Lausanne. Rubi, Musci. Favrat, Prof. Louis, Lausanne. Rosæ, Hieracium, Rubi.

Favre, Ernest, 6 rue des Granges, Geneva. Geol.

Feer, Dr. Henri, Geneva. Campanulaceæ. Felix, Walther, Dr. Med., Zurich, Platten Str. 30. Anat., Emb., Histol., Vert.

Fellenberg, Edmund V., Dir. du Musée Archéol. et Ethnog. et des collections Min. et Géol. du Musée d'Hist. Naturelle, Bernc. Strat. Geol., Min., Lithol., Arch., Ethnog.

Fischer, Eduard, Dr. Phil., Privat-docent der Bot., Stadtbach 26, Berne.

Bot: Crypt. Plants, Fungi.*

Fischer, Dr. Ludwig, Prof. Bot., Univ., Berne. Gen. Bot.*

Fischer-Sigwart, Hermann, Zofingen. Min., Zool., Biol., Orn., Herpetol. C.*

Flesch, Dr. M., Prof. Univ., Zurich. Anat.
Fol, Prof. Dr. Herm., Vandœuvres près Geneve. Zool.
Forel, Auguste, Prof. Univ., Dir. Heilsanstalt Burghölzli, Zurich. Ant.,
Riol. of Insects, Anat. of Brain of Vertebrates. C. Ex. Formicariæ of the world, or will purchase.

Forel, Dr. F. A., Prof. à l'Université de Lausanne, Morges. Phys. and Nat. Hist. of Lakes and Glaciers.*

Forster, Dr. Aime, Prof. Physics, Univ., Benre. Physics., Elect.

Frey, Dr. Hans. Teacher Nat. Sci., Gymnasium, Berne. Chem., Geol. Frey, Gessner E., Conserv. des Collections Ent., Musée d'Hist. Nat., Geneva. Ent: esp. Swiss Hemipt., Orthopt., Mellifera and Chrysi-

des. C. Ex. Gaule, J., Prof. Physiol., Med. Fac., Zurich. Tripanosoma, Cytozoa.

Gauthier, L., Lausanne. Ent.
Gautier, Maurice, Dr. és Sci., rue de l'Hotel de Ville 14, Genève.
Chem.*

Gautier, R., Prof. Univ., rue Ch. Bonnet 6, Geneva. Ast.

Geiger, Dr. F., Basel. Bot.

Gétaz, Auguste, Prof. Collège International, Morillon, Genève. Neuropt., Arach., Myriopt. C. Ex.*

Girard, Dr. Ch., Berne. Emb. Girardet, François, Morges. Bot. Girtanner, Dr. Karl, St. Gall. Bot. Godet, Charles, Neuchatel. Ent.

Godet, Paul, Dir. Adjoint du Musée d'Hist. Nat. de Neuchatel. Con. C. Ex.

Golaz, Charles, Bex. Bot.
Goll, Hermann, Dr. Phil., Conservateur du Musée, Avenue de la Gare 1,
Lausanne. Zool., Vert. Anat., Orn., Ichth., Ent.* Golliez, Henri, Prof. Geol., Lausanne.

Gruner, R. Sigrist, Berne. Gen. Ent.

Guillaume, G., Neuchatel. Ent. Guinet, Auguste, Route de Carouge 64, Plainpalais, near Geneva. Bot.,

Bryology. C.*

Gutzwiller-Gonzenbach, Prof. A., Basel. Geol.*
Guye, Dr. C., Eng., 83 Route de Chène, Geneva. Physics.*
Guye, Philippe A., Prof., Chem. Lab., Univ., Geneva. Chem.*
Hagenbach-Bischoff, Edward, Prof., 20 Missionsstr., Basel. Physics.*
Hambert, Dr. Alvis, Mus. d'Hist. Nat., Geneva. Zool.
Heer, Tschudi, Lausanne. Coleopt.
Hegetschweiler, Dr. Chas., Riffersweil (Zurich). Mosses, Lichens.
Heigelf, Lakeb, Prijest Decent Perkirt. Anab. (Zurich).

Heierli, Jakob, Privat-Docent Prehist. Arch., Zurich.*

Heim, Dr. Albert, Prof., Dir. Collect. Géol. de l'Univ. et de l'Ecole Polytechn., Hottingen, Zurich. Phys. Geol., Lithol.

Hemming, Joh. Jul., Privat-Docent, Zurich. Geol.

Hipp, Dr. M., Fluntern. near Zurich. Elect.

Hirsch, Adolphe, Dir. de l'Observ., Neuchâtel. Physics., Elect., Meteo., Ast.

Hofer, Isidor, Ph.D., Rector, Unterkulm. Aarzan. Moll., Ichthyol. C. Honegger, J. J., M.D., Maneggstr. 5, Zurich. Anat. of brains of vertebrates.

Huguenin, Dr. Gustav, Zurich. Geog. Dist., Bot: Phan. Plants, Mic., Zool., Morphol., Invert. Anat., Histol., Articulates, Ent., Lepid., Dipt., Coleopt. C. Ex.
Imhof, Emil, Ph.D., Znrich. Zool.
Ischet, Gottfr., Mett, bei Biel. Geol.
Jaccard, Prof. H., Aigle. Ent., Bot.

Jack, Joseph B., Constance. Crypt. Bot., Hepatica.
Jaques, Jean, T. T. Vetter. Botaniste à Orbe. Phan. Plants. C. Ex.

Jaquet, Dr. Maurice, Asst. Zool. Inst., Geneva.

Jenner, J., Cust. Mus., Berne. Ent.

Joerin-Gerber, Ernst, Villa Diana, Zurich. Bot., Zool., Orn., Ent., Hymenopt., Lepid., Coleopt. spec. Carabidæ.

Joos, Dr. Emil, Schaff hausen. Min.

Jordan, Et., Pharmacien, Neuchâtel. Bot. Kahlbaum, Georg W. A., Dr. Phil., Prof., Basel. Chem., Physics.*

Kammormann, A., Geneva. Ast.

Keller, Dr. Conrad, Prof. Polytechn., Zurich. Comp. Anat., Mic. C. Ex.

Keller, Dr. Robert, Rector des Gymnasiums, Winterthur. Phan. Plants,

Mosses. C.
Kenngott, Prof. Dr. Adolph, Univ., Zürich. Min.*
Kissling, Dr., Teacher Nat. Sci., Secondary School, Berne. Geol.
Klebs, Prof. E., Univ., Zurich. Pathol. Pathol. Anat., Histol.
Knecht, Henri, Rosengartenweg 3, Basel. Coleopt.

Kober, Dr. J., Basel. Zool.

Koby, Prof. Fred. Louis, Porrentruy. Geol.

Kollbrunner, Emil, Frauenfeld. Geol.

Kollmann, Prof. Dr. J., Basel. Anat., Emb., Anth. Desires Crania of Indians in ex. for European, espec. Swiss; Embryos of Telcosts, Selachians and Reptiles, well preserved for microscopical dissection.*

Kostanecki, Dr. v., Prof. Org. Chem., Univ., Berne *

Kübler, J. J., Ph.D., Neftenbach. Mic., Bot, Zool., Geol.* Kündig, Jacob, Ph.D., Privat-Docent, Hirslanden, Zurich. Bot: Phæn. and Crypt. Plants, Ferns, Mosses, Alge, Emb. C. Ex. Landolt, H., Sparenberg, Engstringen (Zurich). Ent.

Lang, A., Prof. Dr., Zürich. Zool.
Lang, Prof. Franz, Solothurn. Geol.
Langhans, Prof. Th., Univ., Berne. Pathol. Anat., Parasites.
Léonard, Ad., 1 Bourgfelderstr., Basel. Ent., Lepid.

Le Royer, Alex, Geneva. Phys.

Leutwein, Charles, Diemerswyl, kt. Berne. Min., Geol.

Lindt, Dr. W., Berne. Lepid.

Lippe, Gottlieb, Bâle, 51 Spalenberg. Lepid. C. Ex. Loeventhal, N., Prof. Dr., Lausanne Histol., Embryol.

Lorch, Jules, Dr. Méd., Couvet (Canton de Neuchâtel). Bot. C. Ex. Lorez, Apotheker, Zurich. Lepid.

Loriol, Perceval de, rue des Chanoines, Geneva. Lepid., Echinoderms,

Lunel, Alph., Grand Bureau 477, Geneva. Ent.

Lunge, George, Ph.D., Prof. Techn. Chem., Hottingen, Zurich. Inorg. Chein.*

Mackenzie, William, Kleinberg (St. Gallen). Microg.

Mallet, Ch., Geneva. Bot.
Märki, Charles, rue Caroline, Carouge. Coleopt.
Markow, Eugen, Russie Ministère des Finances, Naegelistrasse 3, Zurich.

Geol., Phys., Meteo., Ast., Phys. Geog.*
Martin, Rudolf, Dr. Phil., Docent der Anth., Univ. u. am Eidg. Polytechnicum, Zurich, Seefeld Str. 119. Anth., Eth., Morphol. Ex. of Anth. Objects, Crania, etc. Desires Photographs of Human Races.*

Mayer, Prof. Karl, Ph.D., Hottingen, Zurich. Geol., Palæo.

Meuron, Pierre de, Docteur ès Sciences, Neuchâtel. Emb., Ichthyol. Meyer, Prof. R. von, Univ., Zurich. Osteol., Anat.

Micheli, Marc, Château du Crest par Jussy, Geneva. Bot.*

Miescher, Prof. Dr. Friedrich, Sr., Univ., Augustinergasse 21, Basel. Pathol., Anat.

Montmollin, Aug. de, Neuchâtel. Geol.

Morthier, Dr. Paul, Corcelles, near Neuchâtel. Phan. and Crypt. Bot. C. Ex.

Mösch, K., Ph.D., Dir. d. Zool. u. Con. d. Geol. Sammlungen am Poly-

tech. u. d. Univ., Oberstrass, Zurich.

Moser, Henri, Schaff hausen. Eth., Ethnog.

Mühlberg, Fritz, Prof. der Kantonschule, Con. des Kantonalen Naturhist. Mus., Aarau. Bot., Palæo., Strat. Geol., Min., Lithol. C. Ex. Müller, A., 195a Junkerstr., Berne. Ent.

Müller, Dr. Fr., Basel. Zool. Müller, Prof. Dr. Johann, Univ., Dir. Bot. Gard., Boulevard des Philosophies, 8, Geneva. Bot.

Müller, Max, Birsigstr. 115, Baset. Lepid.

Müller-Thurgau, Prof. Dr.. Dir. in Wädensweil. Bot., Physiol., Fungi.

C. Pflanzenkrankheiten.*
Naville, Dr. E., Malagny, Geneva. Egyptian Arch.
Nicoud, Louis, Chaux-de-Fonds. Orn., Ool.* Nüesch, Dr. J., Schaffhausen. Bot., Zool.* Odier, James, rue de la Cité 24, Geneva. Coleopt. Ott, Carl, Hirschengraben 99, Zurich. Phys.*

Overton, Dr. E., Zürich. Protozoa.

Palaz, A., Prof., Lausanne. Math., Phys. Paravicini, Luis, Basel, 3 Holbeinstr. Lepid. C. Ex.

Perrot, F. Louis, Dr. ès Sciences, 8 rue Hôtel de Ville 8, Geneva. Crystall., Physics.*

Piaget, Edouard, Bayards, Neuchâtel. Ent. C. Pictat, Alphonse, 1 Promenade du Pin, Geneva. Orthopt.

Pietet, Amé, Cours de Bastions, Geneva. Chem. Plüss, Dr. Benj., Basel. Nat. Hist.

Privat, Eugène, 18 Chemin du Mail, Geneva. Bot., Orn. C. Ex.

Rapin, Daniel, Route de Carouge, Geneve. Bot.

Ratzer, A., Büren (Berne). Lepid. Renevier, Eugène, Prof., Univ., Lausanne. Geol., Palæo.* Rey, Gustave, Prof. de Sci. Nat. du Collège, Vevay. Geol. Rhiner, Joseph, Schwyz. Bot: Phan. Plants, Ferns.

Rhyner, Adolf, Chaux-de-Fonds. Geol.

Riggenbach, Dr. Albert, Assist am Bernoullianum (Univ. Observ.), Basel. Ast., Meteo.*

Riggenbach-Stehlin, F., Freiestr., Basel. Ent., Lepid.* Rillick, Alb., Prof. Univ., rue Bellot, Geneva. Phys. Rollier, Louis, Conserv. de la Collection Paleo., Musée de Berne.

Romieux, Henry A., 25, Florissant, near Geneva. Bot. C. Ex. Phanerogams, especially Hieracium.*

Rossel, Prof. Dr. Arnold, Dir. du Lab. Analytique de l'Univ. de Berne. Dir. de la Station de Controle, Berne. Chem. C. Ex.

Rühl, Fritz, Präsident der Societas Ent., Zurich. Lepid., Coleopt. Ex. Rutimeyer, Dr. Ludwig, Prof. Comp. Anat., Univ., Rennweg 2, Basel. Salis, Frdr. von, Chur. Geol.

Sandoz, Dr. P., Chaux-de-Fonds. Bot. Sarasin, Edw., Geneva. Phys. Geol.*

Saussure, Henri de, Cité 24, Geneva. Ent., Crust., Myriopt., Hymenopt., Orthopt., Zool., Eth., Vert., Anth., Geol., Volcanoes, Prehist. Hydrology, Agric.*
Schalch, Ferd., Ph.D., Schaffhausen. Geol.
Schenk, Bernhard Ramsen, Kt. Schaffhausen. Palæo.

Schenkel, Ehrenfried, Horburgstr., Basel. Coleopt., Arach., Crustacea.* Schenker, Erhard, Chef der eidg. Munitionscontrole, Thun. Chem. Schinz, Dr. Hans, Docent der Botanik a. d. Univ. u. dem Polytechnikum,

Seefeldstr., Zurich. Phæn. Bot. C. Ex.

Schlatter, Theodor, St. Gall. Bot. Schmid, Walther, Basel. Coleopt.

Schmidely, A., Rue Argeaud à Geneva. Bot.

Schneider, Gustav, Naturalienhändler, Zool. Inst., Basel. Con., Vert. and

Invert. in Spirits. C. Ex. Schnetzler, Prof. Dr. Jean B., l'Acad. de Lausanne. Bot.

Schoch, Dr. G., Dir. des Coll. Ent. du Musée d'Hist. Nat., Plattenhof, Fluntern, Zurich.

Schröter, Carl, Dr. Phil., Prof. der Bot. am Polytechnicum, Mercurstr.

30, Hottingen, Zurich. Phæn. Plants. C. Ex.*

Schumacher, H., Berne. Ent. Schwab, Alfred, Berne. Min.

Seitz, Dr. Johannes, Plattenstrasse 7, Hottingen, Zürich. Medicine.*
Siegfried, Hans, Winterthur. Vaste herbier de première qualité. Culture de Potentillæ Européennes et exotiques. Distribution des "Exsic-

catæ Potentillarum spontanearum cultarunique." Ex.*

Sire, Eugene, Neuchâtel. Bot.
Soret, Prof. Charles, Univ., St. Antoine 22, Geneva. Min., Phys.
Spiess, Charles, Pharmacist, Porrentruy (Berne). Ent., Coleopt., Lepid.,
Rearing larve. C. Ex. only specimens in first-class condition.

Stadler, Dr. August, Zürich. Phil.* Stähelin-Bischoff, B., Basel. Ent., Coleopt. Standfuss, Max, Ph.D., Custos am Mus. des Polytech., Zürich. All kinds of Insects. C. Ex.

kinds of Insects. C. Ex.

Steck, Dr. Theodor, Conserv. de la Collection Ent. au Musée de Berne.

Ent., Hymenopt., Lepid., Coleopt., Hemipt., Orthopt.

Stein, C. W., St. Gall. Geol.

Stierlin, W. G., M.D., Schaffhäusen. Ent., Coleopt.

Stilling, Dr. H., Prof. extr. Anat. et Physiol. Path., Univ. de Lausanne.

Stöcklin, Niclaus, Rosengartenweg 13, Basel. Herpetol., Ent., Lepid.,

Coleopt. C. Ex.*

Stöhr, Philipp, Dr. Med, o. Prof. der Univ., Zürich-Hottingen, Engl.

Viertel 20. Emb., Vert. Anat., Histol.

Stoll, Dr. Otto, Prof. a. d. Univ., Kussnacht, near Zurich. Arach.,

Masses **

Mosses.*

Studer, Theophil., Dr., Prof., Dir. Zool. Mus., Hotelgasse 14, Berne. Geog. Dist., Orn., Radiates. Ex.

Suchannek, Hermann, Dr. Med., Zürich, Bahnhofstr. Anat., Histol. C. Desires publications.*

Sulger, E., Malzgasse, Basel. Lepid.

Sulger, Hans, Basel. Min., Ent., Coleopt.

Täschler, Max, St. Fiden, St. Gall. Lepid., Coleopt. Tavel, Franz von, Dr. Phil., Docent of Bot., Zürich V. Bot., Fungi. C. Ex.*

Thury, Prof., Univ., Geneva. Bot. Toerin, Zwinger St. Bernhard, Zürich. Zool. (Kynologie).

Tournier, Henri, Villa Tournier, Peney, near Geneva, et rue Croix d'Or 18, Geneva. Ent., Coleopt., Hymenopt., Dipt., Hemipt. C. Ex. Tribolet, Maurice, D.S., Prof. Acad., Neuchâtel. Palæo., Geol., Min., Crystall., Lithol.

Tripet, Fritz, Prof. de Bot. à l'Acad. de Neuchâtel, Dir. de la Soc. helvéti-

que pour l'échange des plantes. Bot. C. Ex.

Vionnet, P. L., Etoy (Vaud). Geol. Vöchting, Prof. Dr. H., Univ., Basel. Bot.

Vogler, Dr. C. Hch., Schaffhausen. Ent.
 Vogt, Dr. Adolf, Ordent. Prof. der Hygiene u. Sanitäts-Statistik an der Hochschule, Spitalgasse 178, Berne. Hygiene, Epidermology.
 Vogt, Dr. Carl, Dir. Lab. Vergl. Anat. u. Mikroskopie, Geneva. Human

Parasités, Pedivellina, Mammals, Palwo, Comp. Anat., Fishes. Von Schulthess, Rechberg d., M.D., Zürich. Hymenopt., Vespi Hymenopt., Vespidæ.,

Orthopt.

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fossil and recent. C. Wattenwyl-von-Montbenay, Fd. von, Berne. Geol.

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Wullschlegel, Secundarlehrer, Aarburg. Lepid.
Wurstemberger, Dr. Arnold R. C. de, Zürich. Geol., Min., Chem.,

Phys., Elect. C. Yung, Dr. Emile, Geneva. Zool.

Zeller, Rudolf, Balgrist, Hirslanden, Zurich. Lepid., Biol. of Lepid.

Zollikofer, Casp., Pasteur à Marbach, St. Gall. Bot. Zollikofer, E. H. (Präparator), St. Gall. Orn., Ool.*

Zschokke, Fritz, Prof. Zool., Basel. Zool.

ASIA.

CEYLON.

Gunaratuc, D. A., Conductor Royal Bot. Gardens, Badulla. Halv, A., Dir. Colombo Museum. Gen. Zool. Hastings, R. C., Colombo. Con. Trimen, Dr. Henry, M.B., F.R.S., F.L.S., Dir. Royal Bot. Gardens, Peradeniya. Zoysa, A. de, Muhandiram, Henaratgoda, Conductor Royal Bot. Gardens.*

CHINA.

Bonnell, Rev. W. B., M.A., Shanghai. Chem., Phys. Carrall, James W., F.G.S., Lond., &c., Office of Customs, Amoy. Geol., Mining.

Doberck, Dr. Wm., M.R.I.A., Hongkong Observatory.*
Douthwaite, Rev. A. W., M.D., F.R.G.S., Chafoo. Hist., Mic., Photog. Edkins, Rev. Joseph, D.D., Shanghai, Orientalist. Philol., Biol. Faber, Ernst, Ph.D., Shanghai. Bot., Philol.
Figg, F. G., Hong Kong. Ast.
Ford, Chas., F.L.S., Botanic Gardens, Hongkong. Bot.
Fryer, John, LL.D., Shanghai. Philol., Photog.
Henry, Augustine, M.A., L.R.C.P. (Edin.), F.Z.S., Care of Customs, Shanghai. Econ. Bot.
Hunter, Rev. S. S., M.A., M.D., Isiningchow. Philol.
Kerr, John, M.D., Canton. Philol.
Kilborn, Omar L., M.A., M.D., Chentu, West China. Bot. C.
Little, L. S., M.D., General Hospital, Shanghai. Ast., Physiol.
Macgowan, J. D., M.D., Shanghai. Philol.
Mathews, Percy W., M.D., LL.D., F.R.G.S., F.I. Inst., Shanghai. Zool., Ethnog.*
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Robinson, Henry H., M.A. (Oxford), Prof. Chem., Hankow.

Russel, Samuel M., Imperial Coll., Pekin. Ast.

Thomson, Jos. C., M.D., Macao. Ethnog.

Skertelly, Sydney B. J., F.G.S., M.A.I., late of H. M. Geol. Survey of England; Consulting Geol., Kowloon, Hongkong. Bot: Phan.

England; Consulting Geol., Kowloon, Hongkong. Bot: Phan. Plants; Geol., Photog., Gen. Biol., Geog. Dist., Anth., Arch., Eth., Ent., Lepid. C. Ex.

Wilson, W., M.B., Hanchong. Chem.

COREA.

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COCHIN CHINA.

- Dumoutier, Gustave, Directeur de l'enseignement public de l'Annam et du Tonkin, Hanoi (Tonkin). Bot., Geol., Min., Bibliog., Zool., Anth.,
- Arch., Eth., Ethnog., Philol. C. Ethnog. et Préhist. Arch. Ex. Landes, —, Resident de France, Hanoi. Bot., Geol., Min., Zool., Arch., Eth., Ethnog., Philol.
- Taupin, Jacques, Directeur du Collège des Interprètes, Hanoi (Tonkin). Bot., Geol., Min., Zool., Arch., Eth., Ethnog., Philol.

DUTCH EAST INDIES.

Weyers, J. L., Indrapoera, Sumatra's West coast. Ent., Conchology. C. (Home address, rue Joseph II., 35, Bruxelles, Belg.)*

FRENCH INDIA.

Sada, A., Jardin Colonial, Pondicherv. Med. Bot.

INDIAN EMPIRE.

- Aitken, E. H., Salt. Dep't., Bombay. Gen. Nat. Hist.
- Alcock, A., Surg. Nat., Ind. Marine Sur. Steamer "Investigator." Fish,
- Stony Corals, Asteroidea.

 Barnes, Lieut. Henry E., F.Z.S., Memb. Brit. Orn. Union and Bombay
 Nat. Hist. Soc.. Commissariat Dept., Bombay. Orn., Ool. C. Ex.
- in Ool. Correspondence desired.*

 Bingham, C. T., Major, Conser. of Forest, Maulmain, Burma. Hymenopt.,

 Lepid.*
- Blyth, T. R., Mus., Assist., Geol. Survey of India, Indian Mus., Calcutta. Bombay Natural History Society, H. M. Phipson, C.M.Z.S., Hon'y Sec'y,
- Bose, P. N., B.Sc., F.G.S., Lond., Geological Survey Office, Calcutta. Bourne, A. G., D.Sc., C.M.Z.S., F.L.S., Prof. of Biol., Presidency College, Madras.
- Cameron, J., Fellow Linnæan Soc., Bangalore. Bot: Phæn. and Crypt. Plants, Ferns, Hort., Palæo., Geol., Min., Zool., Gen. Biol., Geog. Dist., Morphol. Vert., Mammals, Ool., Tax. C. Plants. Ex. Chapman, R. L., Asst. Sec., Indian Museum, Calcutta. Arch.*
 Cooke, Samuel, M.A., Assoc. M. Inst., C.E., F.I.C., F.G.S., F.R.G.S.I., Cor. M.R.H.S., Principal in the College of Sciences, Poona, (Bombar) Ex. of Min.*

- bay). Ex. of Min.* Cotes, E. C. Deputy Supt., Indian Museum, Calcutta. Gen. Ent., Eco-
- nomic Ent., Insects.*

 Cunningham, D. D., M.B., F.R.S., F.L.S., C.M.Z.S., Prof. Physiol.,
 Medical Coll., Calcutta, and special Asst. to the Sanitary Comm'r
- with the Govt. of India. Curtis, Chas., F.L.S., Asst. Supt. Forest Dept. Bot. Gard., Penang,
- Straits Settlements. Bot.

 Datta, P. N., B.Sc. (Lond.), F.G.S., Geol. Survey of India, Calcutta.

Davidson, I., C.S., Bijapur. Orn.

De Nicéville, Indian Museum, Calcutta. Lepid.

Derry, Robert, Asst. Supt. Forest Dept., Malacca Bot. Garden, Malacca,

Straits Settlements. Bot.

Dey, Kanny Lall, Rai Bahadoor, C.I.E.; G.M.C.B.; 4 Beadon St., Calcutta. Bot., Chem., Phys., Elect., Mic., Photog., Hist. C. Indigenous Drugs.*

enous Drugs.**
Dey, Preo Lall, F.C.S. (Fellow Chemical Soc. London); Memb. Pharmaceutical Confer. and Soc. of Chem'l Industry, London; Manufacturer of Non-Alcoholic Lime Juice. 4 Beadon St., Calcutta. Chem. Phys.. Elect., Mic., Photog.**
Doyle, P., 19 Lall Bazar St., Calcutta. Ast.
Duthie, J. F., B.A., F.L.S., Dir. Botanical Dept., Northern India, Saharappur (N. W. Prov.). Bot.*

Ecolog. Logg. August School and the Williams's Own "Nacimbad Paintage.

Eccles, Jesse, Army Schoolmaster, "King's Own," Nasirabad, Rajputana.

Orn., Ool., Numis, Philately. C. Ex. esp. Philately.*

Fischer, Robert, B.L., F.R.S.L., F.A.S.L. (Barrister-at-Law, Lincoln's

Inn), Madura, Madras. Anth.*

Foulkes, Rev., T., Retired Chaplain, Salem, Madras.

Fex, Walter, Asst. Supt. Garden and Forest Dept., Botanic Gardens,

Singapore. Bot., Hort.*

Fraser, O. L., 2nd Asst. to the Supt., Indian Museum, Calcutta. Gamble, J. Sýkes, M.A., F.L.S., Dir. Imp. Forest School, Dehra (N.W. Prov.). Bot: esp. Bamboos.

Giles, G., Surg., Laurence Asylum, Souawar, Simla.
Gleeson, John M., Supt., Agri.-Horticultural Gardens, Teynampett,
Madras. Bot., Hort., Mic., Emb., Hemipt.*
Gollan, Wm., Supt. Govt. Botan. Gardens, Saharanpur, N.W.P. Bot.,
Mosses, Hort. C. Ex.*

Goodenough, James S., Asst. Supt. Gardens and Forests, Malacca. Bot.,

Elect. C.* Government Central Museum, Edgar Thurston, Superintendent, Madras. C.*

Greisiger, Dr. Michael, Szepes-Béla. Orn., Coleopt.

Griesbach, C. L., C.I.E., F.G.S., Geol. Survey of India, Geol. Survey

Office, Calcutta.

Hauxwell, T. A., Maulmein, Burma. Orn., Lepid., Coleopt. C. Ex.

Haviland, George D., M.A., M.B. Cantab., M.R.C.S., London, Cur.

Raffles Mus., Singapore. Bot., Geog. Dist., Eth., Mam., Orn., Herpetol., Hymenopt.*

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Hira, L., Sub-Asst. Surveyor, Geol. Survey of India, Indian Mus., Calcutta.

Hughes, Theo. W. H., C.E., A.R.S.M., F.G.S., Geol. Survey of India Calcutta.

Indian Museum, Calcutta. Vert., Invert., Arch., Eth. Jayakar, S.A.G., Surgeon, Lieut. Col. H.M. Indian Army, Muscat, Arabia.

Mic., Photog., Zool., Philol., Mammals, Ichthyol.

Kennedy, Wm. A., Curator, Lloyd Bot. Garden, Darjeeling, Calcutta.
King, Dr. Geo., C.I.E., Supt. of Royal Bot. Gard., Shibpur, Calcutta. King, Wm. B.A., D.Sc., F.G.S., Dir. Geol. Survey of India. Calcutta. Invert.*

Kirtikar, K. R., Surgeon Major, I.M.S., M.R.C.S. (Eng.), L.R.C.P

(Lond.), Civil Surgeon, Shana, near Bombay. Bot: Crypt. Plants, Veg. Palæo., Mic., Anth., Arachnida, Protozoa. C. Ex. Kishen, S., Sub-Asst. Surveyor, Geol. Survey of India, Indian Mus.,

Calcutta.

Lace, John H., F.L.S., Forest Dept., Punjab. Bot: Phan. Plants, Ferns. C.

La Touche, T. H. D., B.A., Geol. Survey of India, Calcutta.

Lawson, M. A., M.A., F.L.S., Gov't. Bot., and Dir. Gov't Cinchona Plantations, Ootacamund, Madras.

Lee, W. A., 38 Strand, Calcutta. Mic., Ast., Gen. Biol. C. Mic.* Marshall, Col. G.F.L., R. E., Secretary of the Govt. Punjab, P.W.D., Simla. Orn., Lepid. (Rhopalocera).

Middlemiss, C. S., Geol. Survey Office, Calcutta.

Mysore Government Museum, Supt., J. Cameron, F.L.S., Curator, B.

Santappah, Bangalore *

Niceville, L. de, F.E.S., C.M.Z.S., 13 Kyd St., Calcutta. Lepid. Offers to ex. Asiatic Rhopalocera, or books on the same, for his "Butter-flies of India, Burmah and Ceylon."

Nicholson, William Robert, Barrack Master, Military Works, Bombay.

Lepid., Philately. C. Ex. Oceana stamps in particular.*

Noeting, F., Ph. D., Palæontologist, Geol. Survey of India, Calcutta.* Oldham, R.D., A.R.S.M., F.G.S., Geol. Survey of India, Indian Mus., Calcutta.

Pantling, R., 1st Assist., Government Cinchona Plantations, Mungpoo, Sikkim.

Parker, I., Scrampore, Bengal. Orn. Ex. Birds' Eggs.

Parkes, Joseph, 2nd Assist. Government Cinchona Plantations, Mungpoo. Sikkim.

Pedler, A., F.I.C., Prof. Chem., Presidency Coll., Calcutta, Meteo. Reporter to Govnt. Bengal, 5 Russell St., Calcutta.

Peel, S. E., Sibsagar Asam. Ast.

Phipson, H. M. (C.M.Z.S.), Hon. Sec. Bombay Nat. Hist. Society, 6 Apollo St., Bombay. Vert., Snakes. Pogson, Miss E. Isis, F.R. Met. Soc., Meteo. Reporter to the Gov. of Madras, Nungumbankum, Madras.

Prain, D., M.A., M.B., Cur. Herbarium, R. Bot. Gardens, Shibpur, near

Calcutta. Bot.*

Proudlock, Robert L., Curator, Royal Bot. Gard., Seebpore, Calcutta. Bot., Hort.*

Reid, Geo., Naini Tal, Kumaon. Orn.

Ridley, Henry N., M.A., F.L.S., Dir. Gardens and Forests, Straits Settlements, Bot. Gardens, Singapore. Phæn. Plants, East Indian Plants, Orchids. C. Ex. East Indian Plants.
Ridley, Matthew, Supt. Govt. Gardens, Lucknow. Bot., Hort.
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Andrews, Rev. W., Hakode te. Lepid.*
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Fujii, K., Science Coll., Imperial Univ., Tokio. Bot., Gen. Biol.*

Goto, Seitaro, Zool. Inst., Imperial Univ., Tokio. Zool., Worms.*
Gulick, Rev. John T., Ph.D., Osaka. Gen. Biol., Geog. Dist., Moll. C.
(shells). Ex. L., F.W. and M. Shells of Japan, and L. Shells of Hawaiian Is.*

Hori, Shotaro, Agric. Exper. Station, Tokio. Bot: Fungi, Phyto-Pathel.

C. Ex.*
Ichikawa, W., Science Coll., Imperial Univ., Tokio. Fungi.
Ijima, I., Ph.D., Prot. Zool., Science Coll., Imperial Univ., Tokio. Zool.
Ikeda, S., Agric. Coll., Imperial Univ., Tokio. Zool., Amphibia.
Ikeno, S., Assist. Prof. Bot., Agric. Coll., Imperial Univ., Tokio. Vegetable Anat.*

Isawa, S., Pot., 50 Dairokutencho Koishikawa, Tokio.*
Ishikawa, C., Ph.D. (Freiburg, Germany), Prof. Zool., Agric. Coll., Imperial Univ., Tokio. Zool: Cells.*
Ito, Shinrokuro, Rigakushi, 11 Hisakatamachi, Koishikawa, Tokio.

Chem., Tech.
Ito, Keisuke, D.Sc., Memb. Imp. Acad., Tokio, 14 Masagocho, Hongo,

Tokio. Bot.*

Ito, Tokutaro, F.L.S., 83 Shichikencho Nichomé, Nagoya, Aichiken. Bot., Gen. Biol.*

Iwakawa, T., Prof. Zool., Higher Normal Sch., Tokio. Zool.

Jimbo, Kotora, Gcol. to the Hokkaidocho, Imperial Univ., Tokio. Geol.

Kada, Teichi, Geol. and Mining Eng., Chiofu, Nagato, Yamaguchiken.

Geol., Min.
Kametaro, Toyama, Agric. Coll., Imperial Univ., Tokio. Zool.*
Kato, H., President Dept. Law, Sci. and Lit., Univ., Tokio Daigaku, Tokio.

Kishinouye, K., Science Coll., Imperial Univ., Tokio. Zool., Arach., Cælenterata.

Kuwabara, M., M.E., Care of Mcssrs. Fujita and Co., Osaka. Min., Metall.

Loew, Oscar, Ph.D., Tokio (Komaba). Agric. Chem.*
Loomis, Rev. Henry, Yokohama. Ent., Hymenopt., Lepid., Dipt.,
Orthopt., Coleopt., Hemipt., Neuropt., Crustacea, Mollusks. C.*
Matsubara, Shinnosuke, Lect. Biol, Imper. Univ., Tokio.
Matsuda, S., Science Coll., Imperial Univ., Tokio. Bot.
Matsumus, Ling. Prof. Ret. Dir. Bot. Gaydon, Science Coll., Imperial

Matsumura, Jinzo, Prof. Bot., Dir. Bot. Garden, Science Coll., Imperial Univ., Tokio. Phæn. Plants.
 Mitsukuri, Kakichi, Ph.D. (Balto.), Prof. Zool., Science Coll., Imperial

Univ., Tokio. Zool., Morphol., Emb.*

Miyabe, Kingo, S.D., Sapporo Agric. Coll., Sapporo. Bot: Phæn. Plants, Fungi, Algæ. Ex.*

Nakamura, Kiohei, Fukushima-ken. Phys., Math.

Namiye, M., Science Coll., Imperial Univ., Tokio. Zool., Vert.

Nawa, J., Normal Sch., Gifu, Mino. Ent.*

Nozawa, Shunjiro, Fishery Dept. of the Hokkaidochs, Sapporo. Ichthyol.

Okamura, K., Science Coll., Imperial Univ., Tokio. Marine Alga.*
Okubo, S., Assist. Prof. Bot., Science Coll., Imperial Univ., Tokio,

Bot.*

Sasaki, S., Rigakuhakushi, Prof. Zool., Agric. Coll., Imperial Univ., Tokio. Zool., Sericulture.

Saida, K., Prof. Higher Normal School, Tokio. F. W. Alge.*

Shimomura, Kotaro, B.Sc., Prof. Chem., Harris School of Sci., Doshisha, Kyoto. Chem., Physics.

Shirai, M., Assist. Prof. Bot., Agric. Coll., Imp. Univ., Tokio. Phuto-

pathol.
Shunjiro, Nozawa, Fishery Burcau, Hokkaidōchō, Sapporo.
Moll.*

Takagi, Prof. T., Educational Mus., Tokio. Min.
Tnouve, T., 11, Higashikobaichio Surugadai, Tokio. Ophthalmology.
Tsuboi, S., Science Coll., Imperial Univ., Tokio. Anth.
Wakabáyashi, K., Science Coll., Imperial Univ., Tokio. Anth., Arch.
Yokoyama, Matajiro, Geol. Survey, Tokio. Geol., Veg. Palæo.
Yoshida, Hikorokuro, Rigakushi, Ph.D., Asst. Prof. Chem., Science Coll.,
Imperial Univ., Tokio, Chemist to the Govt. Printing Bureau,
Tokio, Member Soc. Chem. Industry, Fellow Chem. Soc. (London), Tokio.

SIAM.

Haase, Dr. Erich, Dir. R. Siamese Mus., Bangkok, Siam (formerly Privat-Docent Zool. Univ., Königsberg). Biol., Morphol.*

RUSSIA (IN ASIA).

Abels, Hermann, Dir. Magnetical and Meteo. Observ., Yekaterinboorg. Earth Magnetism, Meteo., Hypsometry.

Clerc, G. O., Sec. de la Soc. ouralienne des Sci. nat., membre corresp. de l'Acad. des Sci. de New York, de Smithsonian Inst., Membre actif ou corresp. de plusieurs Sociétés russes, suisses et françaises, Yekaterinboorg. Phen. Plants, Meteo., Arch., Herbier. de l'Oural. Karo, F., Nertschinsk. Bot: Phæn. Plants. C. Will sell.

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Mauritz, Tatiana, Nertschinsk. Bot., Hort.*
Müller, Paul, Ph.D., Assist. Dir. Magnetical and Meteo. Observ., Yekate-

rinboorg. Earth Magnetism, Meteo. Oschaninn, Basil, Dir. Tashkent Gymnasium for Girls, Tashkent. Hemipt., Geog. Dist. C. Ex.

Skalozooboff, Nicolas, Candidar Agron. Krasnoufimsk, Gov. of Perm. Bot., Geog. Dist.

Slowzow, Ivan Jakovlevitsch, Dir. de l'Ecole réale, Tumèn Tobolskaja Goubernia, Siberia. Bot., Zool., Arch. C. Ex. Wilkins, Alexander, Exper. Agric. Station, Tashkent. Gen. Biol., Geog.

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Sikora, E., Beyrout, Syria. Zool.

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Insects. Sell and Ex.
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Contan, André, Cherchell. Bot: Phæn. Plants, Ferns, Moll. C. Ex.* Debray, Prof. à l'Ecole Superieure des Sciences, Alger. Bot.*

Denis, C. P., Capt. d'Artillerie, Alger. Coleopt.

Doumergue, Prof., Oran. Bot., Herpetol.

Doutté, Ed., Attaché au gouvern. génér., Alger. Moll.

Dubiez, Instituteur, Duvivier. Bot. C.

Ficheur, Prof. de Géol. à l'Ecole des sciences, rue Michelet 69, à Alger-Mustapha.

Flamand, Préparateur, chargé de conférences á l'Ecole supérieure des sciences, à Alger-Mustapha.

Foubert, Eug., Oran. Mammals, Birds.

Gay, Hyppolyte, Membre de Comité d'Etudes de la Soc. Française de Bot., Instituteur à Crescia. Bot: Phæn. Plants, Hort. C. Ex. Seeds.*

Gentil, Préparateur à l'Ecole des Sciences, à Alger.

Gouin, Henri L., Commissaire Equêteur du Service de la Propriété Indigène, rue de Michelet 37, Agha-Superieur. Geol., Min., Living Moll., M., L. and F. W. Shells. C. Ex.*

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Lallemant, Charles, Pharmacien à l'Arba. Bot., Coleopt., Hemipt.,

Orthopt., Moll. C. Ex.

Lapeyre, A., Constantine. Coleopt.

Lepnoine, Oran Est.

Lemoine, Oran. Ent. Mathieu, Paul, Boulevard Seguin 22, Oran. Coleopt.*

Moisson, Avocat, Oran. Ent., Con.
Pallary, Paul, Prof. (Eckmühl-Noiseux), Oran. Vert. Palæo., Geol.,
Invert. Anat., Anth., Eth., Moll. C. Ex.*
Pomel, A., Correspondant de l'Institut, ancien Sénateur, Dir. du service géol. de l'Algeric, Dir. honoraire de l'Ecole des Sciences, rue Rovigo, 72, à Alger.

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des Buprestides et Cerambycides du globe.*

Thiriat, Xavier, à Maillot (Prov. d'Alger). Gen. Ent., Coleopt. of Algeria.

Tournier, Alf., Oran. Con. C.
Viguier, Dr. Camille, Dir. Zool. Station, Alger. Echinod., Invert., Anat.

CANARY ISLANDS.

Maffiottey La-Roche, Miguel, Luz 108, Sta. Cruz de Teneriffe (Teneriffe). Wildpret and Schenkel, Orotava, Canary Islands. Horticulturists.*

CAPE COLONY.

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Town. Coleopt. C. Ex. Coleopt. except European, wanted in ex.

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Chaplin, G. I., Port Elizabeth. Moll. C. Ex. Chaplin, John Gauntlet, Port Elizabeth Con.

Craib, Jas., M.A., Prof. Math. and Nat. Sci., Somerset East. Bot., Physics. C. Ex.*

Crawford, James, care of J. C. Kemsley & Co., Port Elizabeth. Mollusca.

Diège, I. L., Port Elizabeth. Aves.
Edington, Alexander, M.B., C.M., F.R.S.E., F.R.P.S.E., Dir. Colonial
Bacteriol. Inst., Grahamstown. Bot: Fungi, Algæ, Mic., Photog., Desceriol. Inst., Grahamstown. Bot: Fungi, Algæ, Mic., Photog., Gen. Biol., Physiol., Pathol., Histol.*

Farquhar, D., 33 Upper Hill St., Port Elizabeth. Mollusca. C. Ex.*

Farquhar, J., Port Elizabeth. Bryozoa.

Fisk, Rev., Cape Town. Rept.*

Fraser, D. D., Western Road, Port Elizabeth. Geol. and Palæo. of Cape Colony.*

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Hister., Longicornia. C. Ex. Cape for those of other countries.
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of Agric., Grahamstown.*

MacOwan, Peter, F.L.S., F.R.H.S., Government Botanist, Cur. Cape Gov't Herbarium, Capetown. Bot: Phan. and Crypt. Plants.*

Marloth, Rudolf, Ph.D., M.A., Capetown. Bot., Chem., Mic.* Muir, Thos., M.A., LL.D., F.R.S.E., Superintendent-General of Education, Capetown. Math.*

Péringuey, L., Asst. Cur. S. African Mus., Cape Town. Ent. C.* Perrins, G. R., Port Elizabeth. Mic.

Roth, Jean, Naturalist and Collector, Port Elizabeth. Geol., Gen. Zool.

Rous, H., Port Elizabeth. Coleopt. C. Ex. Schönland, Selmar, Hon. M.A., Oxon., Ph.D., F.L.S., Curator Albany Museum, Grahamstown.
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Smith, J. C., Curator Gardens and Public Parks, Graaff, Reinet.

Stroud, Dorothy, Pretoria, S.A.R. Ferns, Geol., Min., Lithol., Articulates, Ent., Hymenopt., Lepid., Dipt.

Stroud, Jas. Wm., M.D., F.L.S., F.G.S. (London), Pretoria, S.A.R. Ferns, Geol., Min., Lithol., Articulates, Ent., Hymenopt., Orthopt., Neuropt., Arach., Myriop. C. Ex.
Tidmarsh, Edwin, Botanic Gardens, Grahamstown. Bot.

Trimen, Roland, F.R.S., F.L.S., F.Z.S., F. Ent. S., etc., Cur. of South African Museum, Cape Town. Ent: Lepid.*
Volschenk, J. E. A., Riversdale. Coleopt. Ex. Cape Coleopt. for

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West, Faraday, Port Elizabeth. Arach.

West, Miss, Port Elizabeth. Bot. West, Oliver, Russel Road, Port Elizabeth. Lepid., Coleopt. C. Ex. Wilms, Frederik, Phil. Dr., Lydenburg, Transvaal. Coleopt. a spec., Bot., Ent. C. Ex.

Woods, Chas. Ray, Astro-Photographer, Royal Obs., Cape of Good Hope. Photog., Ast., Chem.

CONGO.

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Lewis, Rev. J. Manville, Mukumviki, Congo River. Collector of Savage

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Leopoldville, Stanley Pool, The Upper Congo, S. W. Africa. Med.*

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EGYPT.

Blomfield, R. M., Rear Admiral R. N., Alexandria. Phæn. Bot., Hort. Deflers, Albert, Rue Babel-Hadid, Cairo. Bot: Phæn. Plants, Ferns. C. Ex.
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mousses.

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NATAL.

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OCEANICA.

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Brazier, Miss Sophie, M.S., Curaçoa House, S2 Windmill St., Sydney. Con., Postage Stamps. C.*
Brown, Rev. George, D.D., C.M.Z.S. (London), Wesleyan Mission Office, 381 George St., Sydney. Photog., Anth., Philol., Eth. C.*
Brown, W., 7 Norton St., Leichhardt. Orn.
Butler, Thos., Darlington-Road, Darlington. Mic.
Campbell, W. D., 46 Leicester St., Paddington. Geol.
Cantle, J. M., Yolande Cottage, Norton St., Leichhardt. Orn.
Card, George W., A.R.S.M., F.G.S., Cur. and Min. to the Geol. Survey of N.S.W., Geol. Survey Branch Mines Dept., Sydney. Min. C.

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tol., Worms.*

Colyer, T., Tech. Mus., Sydney.

Cooksey, T., Ph.D., Min. to Australian Mus., Sydney.

Crummer, H. W. S., Dept. of Lands, Sydney.

Curran, Rev. John Milne, Tech. Mus., Sydney. Geol.
David, T. W. Edgeworth, B.A., F.G.S., etc., Prof. Geol., The University,
Sidney.

Dean, Miss, "Elland," Grafton St., Woollahra. Bot. Dixson, D. Thos., 287 Elizabeth St., Sydney. Bacteriol.

Drake, Frank, Metallurgist, Leadville. Inorg. Chem., Metall., Elect. Dudley, Uriah, F.G.S.A., F.A.I.M.E., Silverton. Geol., Min., Crystall., Metall. C. Ex.*

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Fletcher, J. J., M.A., B.Sc., Linnean Soc., Elizabeth Bay. Batrachians, Bot.

Frank, Louis, Coogee. Ent.
Froggatt, Walter W., Technological Mus., Sydney. Geog. Dist., Eth.,
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Fuller, Claude, Dept. Agric., Sydney. Hymenopt.

Gale, Walter, Paddington, Sydney. Ast. Garland, J. B. R., 56 Elizabeth St., Sydney. Bot. Garland, J. R., M.A., 56 Elizabeth St., Sydney. Bot.

Gipps, W. L. R., Bearbong, Gilgandra. Ent.

Grace, Mrs. Alice, care of A. Mackay, Esq., F.C.S., Tech. Coll., Sydney. Bot., Chem., Emb., Anat.*

Grant, Henry, Taxidermist, Tank St., Lithgow, Blue Mountains, via Sydney. Tax. Ex.*

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Green, Arthur, Paling Bldgs., Ash St., Sydney. Bot. Zool. Green, C. L., Paling Bldgs., Ash St., Sydney. Bot. Zool. Green, Ernest W., Box 1467, G.P.O., Sydney. Bot., Zool. Green, Wm., Paling Bldgs., Ash St., Sydney. Bot., Zool. Grimm, Rev. Geo., The Manse, Balman West. Bot. Hamilton, A. G., Public School, Mount Kembla. Bot., Vermes, Actinize *

Haswell, Prof. Wm. A., Univ., Sydney. Zool.*
Hedley, C., Australian Mus., Sydney. Con., Moll.
Helms, R., care of Gov't Ent., Dept. of Agric., Sydney. Ent., Bot.
Hurst, Geo., M.A., M.B., Box 1150, G.P.O., Sydney. Orn.
Jones, J., Domain Lodge, Domain, Sydney. Bot. Mic.
King, Georgina, Montesea, Beresford-Road, Homebush. Bot.

King, Hon. P. J., Double Bay. Eth. Lea, Arthur M., 7 Bourke St., Redfern. Coleopt.

Lenehan, H. A., Assist. Ast., Sydney Observatory.

MacDonnell, Samuel, 45 Norwich Chambers, Hunter St., Sydney. Mic. Mackay, Angus, Ph.D., F.C.S., Prof. of Agric., Tech. Coll., Sydney.

Bot: Phæn. Plants, Fungi, Hort., Geol., Chem., Mic., Gen. Biol.
C. Ex.*

MacFherson, John, Bruce St., Petersham. Bot., Palæo., Gen. Biol., Emb., Vert. Anat., especially Cheiroptera, Arach. esp. Scorpionida. C.

Maiden, Joseph H., F.L.S., F.C.S., Tech. Mus., Sydney. Bot. C.* Masters, George, Macleay Mus., Univ , Sydney. Ent., Orn.

Moore, C., F.L.S., Dir. Botanic Gardens, Sydney. Bot., Hort.*

Mullins, George L., M.A., M.D., Murong, Albion St., Waverley. Mic., Photog., Geog. Dist. C. Ex.*
Mullins, John L., M.A. (Sydney Univ.), Killountan, Challis Ave., Sydney.

Bibliog.*

Musson, Chas. T., Lect. on Bot., and Registrar, Hawkesbury Agric. Coll., Richmond. Agric., Bot., Veg. Pathol. Naylor-Beckett, I. W., Fandalhaw, Christchurch. Mosses.

North, A. J., F.L.S., Assist. in Orn., Australian Mus., Sydney. Orn., Ool. C.

Norton, Hon. Jas., M.L.C., 2, O'Connell St., Sydney. Bot.

Ogilby, J. Douglas, Australian Mus., Sydney. Vert., Mammals, Orn., Ool., Herpetol., Ichthyol., Osteol.*

Olliff, A. Sidney, Govt. Ent., Dept. of Agric., Sydney. Ent., Mic., Geog. Dist. C. Ex.*

Palmer, E. G. W., 50 Phillip St., Sydney. Eth.

Patten, Robert, Public School Master, Bolwarra, West Maitland. Hort., Hymenopt. C.*

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C. Ex. Richards, Henry, Arthursleigh, Hill St., Leichhardt. Eth.

Rossiter, R. C., Noumea. New Caledonia. Con.

Russell, H. C., B.A., F.R S., C.M.G., Astronomer, Sydney Observ.*

Russell, J. E. M., Lands Dept., Sydney. Ent. Ex. Sellors, Richard P., Assist. Ast., Sydney Observ. Sinclair, Sutherland, Sec. Australian Mus., Sydney.*

Skeet, Miss, 44 Moncur St., Woollahra. Bot., Con.
Skuse, F. A. A., Entomologist to Australian Museum, College St., Sydney.
Author of "Dipters of Australia," etc. Ent., Dipt.*
Sloane, Thomas G., Emu Plains, Urana. Coleopt.*
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Smith, Chris. H., Public School, Altear, Moama. Bot.*
Storkey Mrs. Numert Neutral Ray. Con.

Starkey, Mrs., Nunert, Neutral Bay. Con.

Steele, Kate L., Teacher, Dept. Public Instruction, High St., East Maitland. Bot: Ferns and Alga of N. S. Wales, Hort. C. Shells. Ex., particularly Foreign Ferns and Flowers, also Shells of all kinds.*

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Stevens, J., 22 Wigram St., Forest Lodge. Bot.
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Nat. Hist., esp. Orn. and Zool. C. of Birds.* Waterhouse, Gustavus J., Ellerslie, Birrell St., Waverley. Eth.

Waterhouse, Mrs. G. J., Ellerslie, Birrell St., Waverley, near Sydney. Con. C. Ex.*

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Willis, Alex. D., Architect, "The Cedars," Hornseywood, Penrith. Vert.

Palæo., Min.*

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Holtze, Nicholas, Cur. Bot. Garden, Port Darwin. Bot: Phæn. Plants, Hort., Veg. Palæo., Photog., Geog. Dist. C. Ex.
Holtze, Maurice, F.L.S., Dir. Bot, Garden, Adelaide. Bot., Hort.*
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Palaco., Geol., Protozoa, Foraminifera. C. Ex.* Lowrie, Prof., M.A., B.Sc., Prof. of Agric. and Dir. Agric. College, Ade-

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Molineux, A., Kent Town. Agric., Dairying. Poole, W. B., Adelaide. Mic.

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Rosewarne, David D., F.G.S., M.A.I.M.E., Mining Engineer, Late Gov't Inspector of Mines, Adelaide. Min., Crystall., Lithol., Metall. C. Min. Ex.*

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Tate, Ralph, A.L.S., Prof. Nat. Sci. of Univ., Adelaide.
Tepper, J. G. Otto, F.L.S., Mus. Entomologist, Norwood, or care of Messrs.

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Zietz, A., Asst. Cur. Museum, Adelaide. Biol., Fishes, Reptiles, Crustacea, Gen. Marine Fauna and Flora.

QUEENSLAND.

Bailey, Frederick Manson, F.L.S., Colonial Bot., Brisbane. Bot. Bancroft, Joseph, M.D., Brisbane. Diseases of Plants, Sugar Cane, Banana, and others. Human Filaria, Contributions to Pharmacy from Queensland, History of Pituri and Dubosia, Respiration of Shore Plants, Rust-resisting Wheats. Manufacturer of Pemmican and Desiceated Beef. Ex. seeds of Economic plants; desires seeds of aquatic plants and cultivated Leguminosæ of America.

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Petrog.

De Vis, C. W., M.A., Queensland Mus., Brisbane. Ex.

Gregory, Augustus C., Member of the Legislative Council, Brisbane.

The F.L.S., Elect. Telegraph Manager, Townsville, Northead Control of the Control of t Gulliver, T. A., F.L.S., Elect. Telegraph Manager, Townsville, Northern Queensland. Bot., Ferns, Agric., Plants, Zool., Orn., Ent., Coleopt., Hort. C. Ex.

Jack, Robert Logan, F.G.S., F.R.G.S., Dir. Geol. Survey of Queensland, Townsville, North Queensland. Palao., Geol. C.

Lucas, Dr. S. P., South Brisbane, Brisbane. Ent.

MacMahon, Philip, Curator Bot. Gardens, Brisbane. Maitland, A. G., F.G.S., Geol. Survey Office, Townsville. Geol., Min.,

Petrog.

Miskin, W. H., Brisbane and Sherwood Rd., Tuowomba. Lepid. Plant, C. F., F.R.A.S., Charters Towers, North Queensland.

Rands, Wm. H., F.G.S., Geol. Survey of Queensland, Maryborough.

Geol., Min., Petrog.
Ringrose, R. C., Herberton, N. Queensland. Geol., Min., Con.
Saville-Kent, W., F.S.S., F.Z.S., Commissioner of Fisherics, Brisbane. Ex.

Shelton, Prof. E. M., Instr. in Agric. for Queensland, care of under Sec'y for Agric., Brisbane. Agric.

Shirley, John, B.Sc., Inspector of Schools, Brighton Road, S. Brisbane. Lichens. C. Ex.

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Stokes, Henry H., F.G.S., Queensland Mus., William St., Brisbane. Min. Ex. Queensland Minerals for American.*
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eralogical Lecturer, Charters Towers. Min., Geol.*

 Wild, C. J., F.L.S., Brisbane. Mosses, Hepaticæ. C. Ex.
 Wragge, Clement L., F.R.G.S., F.R. Met. Soc., etc., Gold Medallist of Ben Nevis Obs., Dir. Chief Weather Bureau, Brisbane. Meteo., Geol., Bot., Con., Ethnog.

VICTORIA.

Anderson, E., 19 Cunningham Road, Toorak. Lepid. Anderson, E., 19 Cunningham Road, Toorak. Lepid.
Archer, W. H., F.L.S., Alverns, Grace Park, Glueferrie. Lichenol.
Bale, W. M., F.R.M.S., Walpole St., Kew. Hydrozoa.
Balfour, J. L., M.A., "Tyalla," Heyington Place, Toorak. Geol.
Bastow, Richard A., 329 Brunswick St., Fitzroy, (Melbourne). Mosses.
Barnard, F., 49 Bulleen Road, Kew. Micro-Fungi.
Barnard, F. G. A., 49 Bulleen Road, Kew. Ent.
Best, D., 16 Little Collin St., Melbourne. Coleopt.
Brittlebank, C. C., "Dunbar," Myrniong. Ent.
Campbell, A. J., H. M. Customs, Melbourne. Ool.*
Christy, F. C., M.I.C.E., "St. Cyr." Williams St. South Yarva.

Christy, F. C., M.I.C.E., "St. Cyr," Williams St., South Yarra. Ent. Dennant, J., F.C.S., "Lyndhurst Crescent," Hawthorn. Geol.

Dunn, Edw. G., Geol. Survey Office, Melbourne. Geol., Min.

Ellery, R. L. J., C.M.G., F.R.S., F.R.A.S., The Observatory, South Yarra. Ast.

Fielder, Rev. W., "Norwood," Mitchell St., St. Kilda. Gen. Zool.

French, Chas., F.L.S., F.R.H.S., Government Entomologist, Exhibition

Building, Melbourne. Coleopt. (Economic), Hort., Ent. C. Ex.*
French, C., Jr., Arnold St., South Yarra, Melbourne. Ool., Phaen.,
Plants. C.*

Frost, C. F. L. S., Mt. Victor Road, Kew. Arach., Reptilia. Gabriel, J., Simpson's Road, Abbotsford. Polyzoa, Ool.

Gatliffe, J. H., Commercial Bank, Collingwood. Con. Grayson, H., Moy St., St. Kilda. Diatoms, Geol. Sections, Mic. Preparations.

Guilfoyle, Wm. R., F.L.S., F.R.G.S., C. M. Royal Bot. Soc., London. Dir. Bot. Garden, Melbourne. C. Ex.

Hall, T. S., M.A., School of Mines, Castlemaine. Geol.

Hart, J. S., M.A., B.Sc., Wilson St., Brighton. Zool., Bot.
Hayter, Henry Heylyn, C.M.G., Officer of the French Order of Public
Instruction, Chev. of the Italian Order of the Crown, Government
Statist of Victoria, Melbourne. Statistical Research. The "Victorian Year Book," and other statistical publications relating to Australia, in exchange for similar works respecting other countries.*

Keartland, G. A., 512 Nicholson St., North Carlton. Orn.

Kershaw, J., Nat. Mus., Melbourne. Ent. Kershaw, W., Wexham Road, Windsor. Ent. Langtree, C.W., Commissioner H. M. Public Service, late Sec. for Mines and Water Supply, and Chief Mining Surveyor. Fellow and ex-Pres. of the Victoria Inst. of Surveyors and Engineers, Melbourne. Strat. Geol., Phys., Min., Elect., Meteo., Ast. C. Ex.

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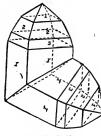
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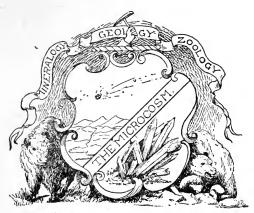
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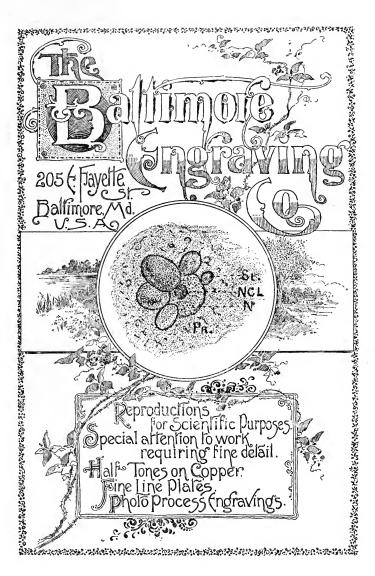
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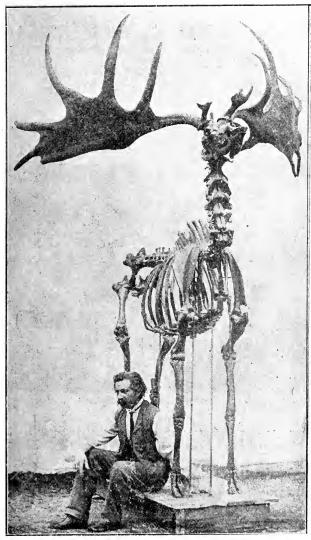
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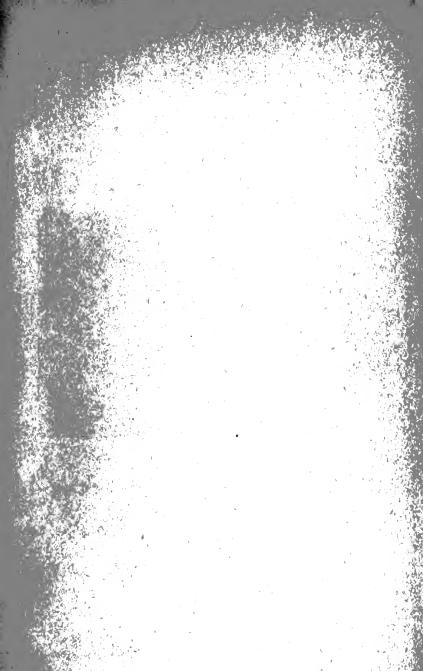
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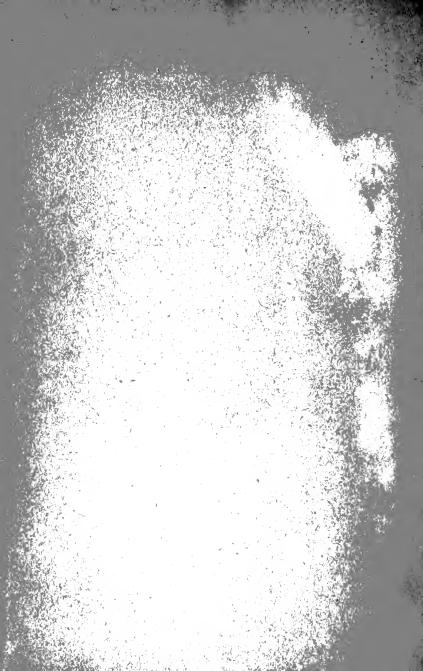
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